International Abstract of Surgery

SUPPLEMENTARY TO

Surgery, Gynecology and Obstetrics

PUBLISHED IN COLLABORATION WITH

Journal de Chirurgie, Paris
Zentralblatt fuer die Gesamte Chirurgie und Ihre Grenzgebiete, Berlin
Zentralblatt fuer die Gesamte Gynaekologie und Geburtshilfe sowie deren Grenzgebiete, Berlin

---

EDITORS

FRANKLIN H. MARTIN, M.D., Chicago
PAUL LECÈNE, M.D., Paris
PROFESSOR AUGUST BIER, Berlin
SIR BERKELEY MOYNIHAN, C.B., M.S., F.R.C.S., Leeds

CAREY CULBERTSON, M.D., Abstract Editor

Volume XXVI
January to June, 1918

PUBLISHED BY
THE SURGICAL PUBLISHING COMPANY OF CHICAGO
30 NORTH MICHIGAN AVENUE, CHICAGO
1918

COPYRIGHT BY
THE SURGICAL PUBLISHING COMPANY
OF CHICAGO
1918

CONSULTING EDITORIAL STAFF

GENERAL SURGERY

AMERICA: E. Wyllys Andrews Willard Bartlett Frederic A. Besley Arthur Dean Bevan J. F. Binnie George E. Brewer W. B. Brinsmade John Young Brown David Cheever H. R. Chislett Robert C. Coffey F. Gregory Connell Frederic J. Cotton George W. Crile W. R. Cubbins Harvey Cushing J. Chalmers DaCosta Charles Davison D. N. Eisendrath J. M. T. Finney Jacob Frank Charles H. Frazier Emanuel Friend William Fuller John H. Gibbon D. W. Graham W. W. Grant A. E. Halstead M. L. Harris A. P. Heineck William Hessert Thomas W. Huntington Jabez N. Jackson E. S. Judd C. E. Kahlke Arthur A. Law Robert G. Le Conte Dean D. Lewis Archibald Maclaren Edward Martin Rudolph Matas Charles H. Mayo William J. Mayo John R. McDill Stuart McGuire Lewis S. McMurtry Willy Meyer James E. Moore Fred T. Murphy James M. Neff Edward H. Nichols A. J. Ochsner Charles H. Peck J. R. Pennington S. C. Plummer Charles A. Powers Joseph Ransohoff H. M. Richter Emmet Rixford H. A. Royster W. E. Schroeder Charles L. Scudder M. G. Seelig E. J. Senn John E. Summers James E. Thompson Herman Tuholske John W. Turner George Tully Vaughan John R. Wathen. CANADA: E. W. Archibald G. E. Armstrong H. A. Bruce I. H. Cameron Jasper Halpenny J. Alex Hutchinson Francis J. Shepherd F. N. G. Starr T. D. Walker. ENGLAND: H. Brunton Agnus Arthur E. Barker Sir Watson Cheyne W. Sampson Handley Sir Arbuthnot Lane G. H. Makins Robert Milne Sir Berkeley Moynihan Rushton Parker Harold J. Stiles Gordon Taylor. IRELAND: William Ireland de C. Wheeler.

GYNECOLOGY AND OBSTETRICS

AMERICA: Frank T. Andrews Brooke M. Anspach W. E. Ashton J. M. Baldy Channing W. Barrett Herman J. Boldt J. Wesley Bovée LeRoy Broun Henry T. Byford John G. Clark Edwin B. Cragin Thomas S. Cullen Edward P. Davis Joseph B. De Lee Robert L. Dickinson W. A. Newman Dorland E. C. Dudley Hugo Ehrenfest C. S. Elder Palmer Findley Henry D. Fry George Gellhorn J. Riddle Goffe Seth C. Gordon Barton C. Hirst Joseph T. Johnson Howard A. Kelly Albert F. A. King Florian Krug L. J. Ladinski H. F. Lewis Frank W. Lynch Walter P. Manton James W. Markoe E. E. Montgomery George C. Mosher Henry P. Newman George H. Noble Charles E. Paddock Charles B. Penrose Reuben Peterson John O. Polak William M. Polk Charles B. Reed Edward Reynolds Emil Ries John A. Sampson F. F. Simpson Richard R. Smith William S. Stone H. M. Stowe William E. Studdiford Frederick J. Taussig Howard C. Taylor Hiram N. Vineberg W. F. B. Wakefield George G. Ward, Jr. J. Whitridge Williams. CANADA: W. W. Chipman William Gardner F. W. Marlow K. C. McIlwraith B. P. Watson A. H. Wright. ENGLAND: Russell Andrews Thomas W. Eden W. E. Fothergill T. B. Hellier Thomas Wilson. SCOTLAND: William Fordyce J. M. Munro Kerr. IRELAND: Henry Jellett Hastings Tweedy. AUSTRALIA: Ralph Worrall. SOUTH AFRICA: H. Temple Mursell. INDIA: Kedarnath Das.

GENITO-URINARY SURGERY

AMERICA: William L. Baum William T. Belfield Joseph L. Boehm L. W. Bremerman Hugh Cabot John R. Caulk Charles H. Chetwood John H. Cunningham, Jr. Francis R. Hagner Robert Herbst Edward L. Keyes, Jr. Gustav Kolischer F. Kreissel Bransford Lewis G. Frank Lydston Granville MacGowan L. E. Schmidt J. Bentley Squier B. A. Thomas William N. Wishard Hugh H. Young Joseph Zeisler. ENGLAND: J. W. Thomson Walker John G. Pardoe. INDIA: Mrigendralal Mitra.

CONSULTING EDITORIAL STAFF—Continued

ORTHOPEDIC SURGERY

AMERICA: E. C. Abbott Nathaniel Allison W. S. Baer Gwilym G. Davis Albert H. Freiberg Virgil P. Gibney Arthur J. Gillette Joel E. Goldthwait G. W. Irving Robert W. Lovett George B. Packard W. W. Plummer John L. Porter John Ridlon Edwin W. Ryerson Harry M. Sherman David Silver H. L. Taylor H. Augustus Wilson James K. Young. CANADA: A. Mackenzie Forbes Herbert P. H. Galloway Clarence L. Starr. ENGLAND: Sir Robert Jones A. H. Tubby George A. Wright.

ROENTGENOLOGY

AMERICA: Eugene W. Caldwell Russell D. Carman James T. Case L. Gregory Cole Preston M. Hickey Henry Hulst George C. Johnston Sidney Lange George E. Pfahler Hollis E. Potter. CANADA: Samuel Cummings Alexander Howard Pirie.

SURGERY OF THE EYE

AMERICA: C. H. Beard E. V. L. Brown H. D. Bruns Vard H. Hulen Edward Jackson Francis Lane W. P. Marple William Campbell Posey Brown Pusey Robert L. Randolph John E. Weeks Cassius D. Wescott William H. Wilder Casey A. Wood Hiram Woods. ENGLAND: J. B. Lawford W. T. Holmes Spicer. SCOTLAND: George A. Berry A. Maitland Ramsey.

SURGERY OF THE EAR

AMERICA: Ewing W. Day Max A. Goldstein J. F. McKernon Norval H. Pierce S. MacCuen Smith. CANADA: H. S. Birkett. ENGLAND: A. H. Cheatle. SCOTLAND: A. Logan Turner. IRELAND: Robert H. Woods.

SURGERY OF THE NOSE, THROAT, AND MOUTH

AMERICA: Joseph C. Beck T. Melville Hardie Thomas J. Harris Chrisham R. Holmes E. Fletcher Ingals Chevalier Jackson John N. MacKinzie G. Hudson Makuen George Paull Marquis John Edwin Rhodes. AUSTRALIA: A. J. Brady A. L. Kenney. INDIA: F. O'Kinealy.

ABSTRACT EDITORIAL STAFF

DEPARTMENT EDITORS

DEAN D. LEWIS—General Surgery
CHARLES B. REED—Gynecology and Obstetrics
LOUIS E. SCHMIDT—Genito-Urinary Surgery
JOHN L. PORTER—Orthopedic Surgery
HOLLIS E. POTTER—Roentgenology
FRANCIS LANE—Surgery of the Eye
NORVAL H. PIERCE—Surgery of the Ear
T. MELVILLE HARDIE—Surgery of the Nose and Throat

ABSTRACT EDITORIAL STAFF—Continued

GENERAL SURGERY

AMERICA: Carroll W. Allen E. K. Armstrong I. W. Bach Donald C. Balfour H. R. Basinger George E. Beilby M. A. Bernstein R. B. Bettman I. E. Bishkow Walter M. Boothby C. A. Bowers Barney Brooks Walter H. Buhlig Eugene Cary Otto Castle Phillips M. Chase James F. Churchill Isidore Cohn Karl Connell Lewis B. Crawford V. C. David Nathan S. Davis, III D. L. Despard V. E. Dudman A. Henry Dunn L. G. Dwan Frederick G. Dyas Albert Ehrenfried Ellis Fischel Ellis B. Freilich H. H. Freilich Isaac Gerber Herman B. Gessner Donald C. Gordon F. P. Hammond Torr Wagner Harmer James P. Henderson Charles Gordon Heyd Lester H. Hills G. W. Hochrein Robert H. Ivy P. H. Kreuscher Harold P. Kuhn J. J. Kurlander Lucian H. Landry Felix A. Larue Halsey B. Loder William Carpenter MacCarty Urban Maes B. F. McGrath R. W. McNealy M. M. Miller Alfred H. Noehren Eugene J. O'Neill Matthew W. Pickard Frank W. Pinneo Eugene H. Pool Martin B. Rehling E. C. Riebel Floyd Riley E. C. Robitshek M. J. Seifert O. R. Sevin J. H. Skiles P. G. Skillern, Jr. Harry G. Sloan John Smythe Carl R. Steinke P. W. Sweet Lister H. Tuholske Henry J. Van den Berg W. M. Wilkinson Espy M. Williams Erwin P. Zeisler. ENGLAND: James E. Adams Percival Cole Arthur Edmonds William Gilliatt Eric P. Gould I. H. Houghton Robert E. Kelly T. B. Legg B. C. Maybury Felix Rood E. G. Schlesinger B. Sangster Simonds Harold Upcott O. G. Williams. SCOTLAND: John Fraser A. P. Mitchell Henry Wade D. P. D. Wilkie. IRELAND: R. Atkinson Stoney.

GYNECOLOGY AND OBSTETRICS

AMERICA: S. W. Bandler A. C. Beck Daniel L. Borden D. H. Boyd Anna M. Braunwarth W. L. Brown E. A. Bullard W. H. Cary Sidney A. Chalfant Edward L. Cornell A. H. Curtis Carl Henry Davis F. C. Esselbruegge Lilian K. P. Farrar Howard G. Garwood Maurice J. Gelpi Luba R. Goldsmith C. D. Hauch N. Sproat Heaney T. Leacraft Hein D. S. Hillis John C. Hirst C. D. Holmes F. C. Irving Norman L. Knipe George W. Kosmak H. W. Kostmayer R. H. Kuhns Julius Lackner Herman Lober Rafiel Lorini Donald Macomber Harvey B. Matthews Ross McPherson L. P. Milligan Arthur A. Morse Albert E. Pagan George W. Partridge William D. Phillips Heliodor Schiller A. H. Schmitt Henry Schmitz Edward Schumann Emil Schwarz J. M. Slemons Camile J. Stamm Arnold Sturmdorf George de Tarnowsky S. B. Tyron Marie L. White P. F. Williams R. E. Wobus. CANADA: James R. Goodall H. M. Little. ENGLAND: Harold Chapple Harold Clifford F. H. Lacey W. Fletcher Shaw Clifford White. SCOTLAND: H. Leith Murray J. H. Willett.

GENITO-URINARY SURGERY

AMERICA: Charles E. Barnett J. D. Barney B. S. Barringer Horace Binney J. B. Carnett Harry Culver Theodore Drozdowitz J. S. Eisenstaedt H. A. Fowler F. E. Gardner Louis Gross H. G. Hamer Thomas C. Holloway I. S. Koll H. A. Kraus Herman L. Kretschmer Victor D. Lespinasse William E. Lower Francis M. McCallum Harvey A. Moore Stirling W. Moorhead A. Nelken C. O'Crowley Edward A. Oliver R. F. O'Neil H. D. Orr C. D. Pickrell H. W. Plaggemeyer H. J. Polkey Jaroslav Radda S. W. Schapira George G. Smith A. C. Stokes L. L. Ten Broeck G. J. Thomas H. W. E. Walther Carl Lewis Wheeler H. McClure Young. ENGLAND: J. Swift Joly Sidney G. MacDonald. IRELAND: Andrew Fullerton Adams A. McConnel S. S. Pringle.

ABSTRACT EDITORIAL STAFF—Continued

ORTHOPEDIC SURGERY

AMERICA: Charles A. Andrews A. C. Bachmeyer George I. Baumann George E. Bennett Ralph S. Bromer Lloyd T. Brown C. Herman Bucholz C. C. Chatterton W. A. Clark Robert B. Cofield Alex R. Colvin Arthur J. Davidson Frank D. Dickson F. J. Gaenslen M. S. Henderson Philip Hoffman C. M. Jacobs S. F. Jones F. C. Kidner F. W. Lamb Philip Lewin Paul B. Magnuson James R. Martin George J. McChesney H. W. Meyerding Archer O'Reilly H. W. Orr Robert G. Packard H. A. Pingree Robert O. Ritter J. W. Sever John J. Shaw Arthur Steindler Charles A. Stone Paul P. Swett H. B. Thomas James O. Wallace James T. Watkins C. E. Wells H. W. Wilcox DeForest P. Willard. CANADA D. Gordon Evans. ENGLAND: Howard Buck E. Rock Carling Naughton Dunn E. Laming Evans W. H. Hey T. P. McMurray John Morley Charles Roberts G. D. Telford.

ROENTGENOLOGY

AMERICA: David R. Bowen John G. Burke William Evans Isaac Gerber Amedee Granger G. W. Grier Adolph Hartung Arthur Holding C. B. Hollings Leopold Jaches Albert Miller Edward H. Skinner David C. Strauss Frances E. Turley J. D. Zulick.

SURGERY OF THE EYE

AMERICA: E. W. Alexander N. M. Brinkerhoff J. Sheldon Clark C. G. Darling T. J. Dimitry J. B. Ellis E. B. Fowler Lewis J. Goldbach Harry S. Gradle J. Milton Griscom D. Forest Harbridge Emory Hill Gustavus I. Hogue S. S. Howe E. F. Krug G. Dvorak Theobald Walter W. Watson. ENGLAND: F. J. Cunningham M. L. Hepburn Foster Moore. SCOTLAND: John Pearson Arthur Hy. H. Sinclair Ramsey H. Traquair James A. Wilson.

SURGERY OF THE EAR

AMERICA: H. Beattie Brown J. R. Fletcher A. Spencer Kaufman Robert L. Loughren Otto M. Rott W. H. Theobald T. C. Winters. CANADA: H. W. Jamieson. ENGLAND: G. J. Jenkins. SCOTLAND: J. S. Fraser. IRELAND: T. O. Graham.

SURGERY OF THE NOSE, THROAT, AND MOUTH

AMERICA: George M. Coates M. N. Federspiel Carl Fischer James J. King R. Clyde Lynch Ellen J. Patterson H. A. Potts. AUSTRALIA: V. Munro. INDIA: John T. Murphy.

INDEX OF SUBJECT MATTER

COLLECTIVE REVIEWS

Surgery of the Spleen. *Donald C. Balfour, M.D., F.A.C.S., Rochester, Minnesota* 1
Local and Spinal Anæsthesia. *Arthur E. Hertzler, M.D., F.A.C.S., Kansas City, Missouri* 103
War Injuries of the Blood-Vessels. *Daniel N. Eisendrath, A.B., M.D., F.A.C.S., Chicago* 203
The Roentgen Diagnosis of Lesions of the Thorax. *Adolph Hartung, M.D., Chicago* 303

ABSTRACTS OF CURRENT LITERATURE

ABDOMEN, Transverse incision in upper, 111; Rectangular flap incision for operations within upper, 233; New incision for exposure of lower, and pelvis, 503

Abdominal, Differential diagnosis of, tuberculosis. 36; Intravisceral and intra-, pressure, 37; Immediate thoracotomy for thoraco-, wounds, 124; Posterior drainage in, surgery, 232; Death from rupture of spleen 25 days after, injuries and apparent recovery, 243; wounds in war, 243; Factors of safety in, hysterectomy, 271; After-care in, operations, 403; Infarction of heart simulating acute surgical, conditions, 425; Hernia through anterior, wall in women, 427; cæsarean section and subtotal hysterectomy for contracted pelvis with eclampsia, 472; Penetrating, wounds, 521; Pre- and postoperative treatment of, wounds, 522

Abortion, Treatment of septic, 372; Causes of, 552

Abscess, Deep, of brain secondary to cranial wounds, 119; Primary pneumococcic cerebral, 320; Histopathological studies on brain, 512; Caisson bronchoscopy in lung, due to foreign body, 125; Treatment of nontuberculous lung, with pneumothorax; report of ten cases, 518; Inflammatory stricture of right ureter due to pelvic, following ureterotomy of left ureter, 479; Patent urachus with, complicating hypertrophied prostate, 565

Acanthosis nigricans following decapsulation of kidneys, 562

Acriflavine, Relative germicidal efficiency of antiseptics of chlorine group and, and other dyes, 312

Adamantinoma showing epithelial pearls, 287

Adenoid, Probable causes of fatalities at tonsil-, operation, 286

Adenomyoma, of rectum, 239; of rectovaginal septum, 272

Adenopathy, Roentgenotherapy of peripheral tuberculous, 59; Importance of left axillary, as diagnostic sign of abdominal neoplasms, 133

Adhesions, Advantage of cholecystectomy in avoidance of, in gall-bladder surgery, 131

Adrenalin, Employment of, serum in war surgery, 267

Adrenals, Relation of spinal cord to spontaneous liberation of epinephrin from, 257; Effect of stimulation of sensory nerves upon rate of liberation of epinephrin from, 256

Aerobic, Wound infections; growth of anaerobic bacilli in fluid media under apparently, conditions, 159

After-care in abdominal operations, 403

Agenesia, Peri-umbilical cutaneous, appendicectomy twelve hours after birth; recovery, 326

Albee's, Treatment of Pott's disease by autogenous tibial bone graft, operation, 347

Alcohol, Treatment of true facial neuralgia by local injections of, 221; Treatment of causalgia by injection of, into nerves, 253; Effect of, on reproductive tissues, 453.

Alimentary, Value of information furnished by opaque meal in disorders of, tract, 523

Amenorrhœa, War, in Germany due to denutrition, 469

Amœbæ, Action of certain emetine derivatives on, 161

Amputated, Functional state of stumps in war patients, in 1914–1915, 346

Amputation, High, of shoulder, 42; Pneumatic tourniquet for, and other purposes, 117; Modern instruments for limb, 220; Modern artificial limbs and their influence upon methods of, 251

Anæmia, Splenectomy in pernicious, 36; Viscosity of blood in experimental, 157; Treatment of secondary, in infants by blood transfusion, 157; Pernicious, in boy of eight years, 158; Treatment of pernicious, by transfusion and splenectomy, 357; Treatment of secondary, in infants by blood transfusion, 454; Pathological study of splenic, 454

Anaerobic, Wound infections; growth of, bacilli in fluid media under apparently aerobic conditions, 159; Potassium permanganate in treatment of, infection of wounds, 405

Anæsthesia, from commercial ether administration and what due to, 20; New method of, in prostatectomy, 84; Nitrous oxide-oxygen, 115; Ether-oil, by rectum, 115; Practical and efficient methods of, 116; Regional, of upper limb, 135; Nitrous oxide-oxygen, in general surgery, 219; Practical local, 220; Anatomical and experimental study of sacral, 314; and anæsthetist, 314; Local, in major surgical operations, 407

Anæsthetics, in orthopedic surgery, 20; Toxic factors of some common, 219; in military hospitals, 406; Administration of, in home military hospitals, 406; Comparative efficiency of local, 408

Anal and rectal fistula, 335

Anaphylactic, Hepatic tissues in acute, reaction, 52; Fate of foreign protein in acute, reaction, 55

Anaphylaxis, Bacterial, and infection, 160

Anatomical, routes for operations on long bones of upper extremity, 42; and experimental study of sacral anæsthesia, 314

Aneurism, Osteo-aneurism; diffuse traumatic, in surgical neck of humerus, 135; Ligature of innominate artery for cure of subclavian, 262; of internal carotid artery and its effect upon vision, 283; Treatment of double femoral, by proximal occlusion with autoplastic fascial flap, 360; Ligation of innominate artery for traumatic, of carotid, 457

Angina, Ludwig's, 123
Angioma, Cavernous, of tendon of abdominal superior oblique muscle, 29
Ankylosis, Surgery of bones and joints; open operative treatment of fractures; method of arthroplasty in, of elbow-joint, 40; Prevention of, after elbow resection by immediate mobilization, 139; Cartilage graft after resection for bony, 534
Anomalies of gall-bladder and bile passages; double gall-bladder; floating gall-bladder, 34
Anthrax, Acute lymphatic leukæmia and lymphatic leucosarcoma; lymphatic leucosarcoma, acute syphilitic glomerulonephritis; acromegalic giantism, 352; Successful treatment of, by various methods, 457
Antibodies in gonococcal arthritis after intravenous injection of specific and non-specific protein, 157
Antisepsis, Evaluation of asepsis and, 218
Antiseptics, Method of applying, to deeper parts of wounds, 18; Albuminate of copper as intravenous, 218; Modern, 311; Relative germicidal efficiency of, of chlorine group and acriflavine and other dyes, 312; Solvent action of, on necrotic tissue, 505; Modern treatment of empyema by, 517
Anuria, Calculus, in solitary kidney, 476
Apparatus, Traumatisms of auditory, 484
Appendicectomy, Peri-umbilical cutaneous agenesia, twelve hours after birth; recovery, 326; Single suture, 432
Appendices, Torsion and inflammation of, epiploicæ, 130
Appendicitis, Acute, with peritonitis; cases that should not be drained, 33; in infants, 33; Chronic, and sclerocystic ovaritis, 67; Early recognition and treatment of acute, 130; Hæmaturia in, 238; Report of 44, operations in children, 238; Hernia and, in child, 327; Acute, 333; in war, 334; in childhood, 431; Suppurative, 432; Left-sided, in situs inversus viscerum totalis, 525
Appendix, Tuberculosis of, 431; Unusual case of malposition of, 525
Argentum, Puerperal septicæmia successfully treated with intravenous injections of collosol, 556
Army, Function and use of various types of radiologic installations in, 63; Medical service in United States, 460
Arterial, Results of peri-, sympathectomy in treatment of post-traumatic reflex nerve troubles of Babinski-Froment type, 55; wounds without external hæmorrhage and their surgical treatment, 158; Peri-, sympathectomy and results, 258; Gravity of, lesions of lower limb in war wounds, 259
Arteries, Traumatic obliteration of limb, 262; Gangrene due to ligature of important, 541
Artery, Experimental nephropathy in dog; lesions produced by injection of bacillus bronchisepticus into renal, 262; Ligature of innominate, for cure of subclavian aneurism, 262; Report of case of ligation of the innominate, for traumatic aneurism of carotid, 457
Arthritis, and foreign protein; chronic rheumatism relieved by intravenous injections, 53; Antibodies in gonococcal, after intravenous injection of specific and non-specific protein, 157; Treatment of rheumatoid, of hypertrophic type, 348
Arthrotomy of knee in war surgery with reference to new method, 140
Articular, Juxta-, bone lesions of hip, 134; Functional results in war, resections, 267
Artificial, Modern, limbs and their influence upon methods of amputation, 251
Asepsis, Evaluation of, and antisepsis, 218
Aspiration, Empyema; simple interrupted and continuous, 124; or vacuum suction apparatus, 315
Aspirator, Use of, for removing pus, blood, exudate, transudate, and bowel contents during operations, 20
Asylums, Need of standardizing statistics of child-caring institutions, foundling, 460
Auditory, Wounds of external, canal, 283; Traumatisms of, apparatus, 484
Autoplastics, Experimental researches on œsophageal, 28; reconstruction of large urethral loss of substance and of extensive wound of penis with partial destruction of glans, 379; nerve grafts, 449
Aviators, Bárány tests as applied to, 571
Axillary, Importance of left, adenopathy as diagnostic sign of abdominal neoplasms, 133

BABINSKI-FROMENT, Results of peri-arterial sympathectomy in treatment of post-traumatic reflex nerve troubles of, type, 55
Bacilluria, Significance of ureteral tubercle, 18
Bacillus, Use of, lactis bulgaricus in treatment of infected wounds, 114; Myositis purulenta acuta caused by, typhosus, 341
Back, Cord and nerve affections causing low, pain, 350; Value of diagnosis in, lesions, 444
Bacteria, Persistence of, within sequestra, 245
Bacterial anaphylaxis and infection, 160
Banti's disease, 437
Bárány tests as applied to aviators, 571
Bence-Jones, Multiple myelomata with chronic nephritis showing, protein in urine and blood serum, 282
Bier's, Treatment of trench foot and allied conditions by, method of passive hyperæmia, 145
Bile, Anomalies of gall-bladder and, passages; double gall-bladder; floating gall-bladder, 34
Biliary, Recurrence after operations on, passages, 241; Malignancy of, apparatus, 337
Biochemical investigations on blood and urine; their bearing on experimental and clinical medicine, 257
Bipping of "blacksmithing," 115
Birth trauma, 375
Bismuth iodoform petrolatum paste in treatment of recent wounds, 405
Bladder, Unusual affections involving deep urethra and, 82; Modern treatment of, tumors, 82; wounds, 179; calculi in infants, 179; Syphilis of, 180; Results of treatment of, tumors, 279; Development and perfection of interposition operation for prolapse of uterus and, 367; Tumors of, 378; Extraction of bullet lodged in, by natural route under control of radioscopic screen, 379; Dumb-bell stone in diverticulum of urinary, 479; Recognition of lesions of male, 479; Treatment of, and urethral wounds and of kidney and ureter wounds at front and at base, 480; Exstrophy of, and its treatment, 481; Rare type of, ulcer, 564
Bleeding, in pregnancy, 72; Control of, in tonsillectomy, 186; Diagnostic significance of, from rectum, 432; Causes of, during pregnancy; significance and treatment, 472
Blood, Retraction of, clots with methods for securing large yield of serum, 154; Treatment of secondary anæmia in infants by, transfusion, 157; Viscosity of, in experimental anæmia, 157; Proteolytic power of normal polynuclear leucocytes of circulating, 159; Biochemical investigations on, and urine, 257; Analysis of 998 consecutive complete, counts, 259; Transfusion of citrated, 261; Relation of spleen to, destruction and regeneration and to hæmolytic jaundice; influence of splenectomy and blood disintegration upon produc-

tion of bile pigment, 339; Ratio between urea content of urine and, after administration of large quantities of urea, 376; sugar in hyperthyroidism, 419; in stools in duodenal ulcer, 430; Changes in peripheral, consequent upon diversion of splenic blood into general circulation, 436; Splenomegaly treated by splenectomy with report on condition of, and spleen, 437; Treatment of secondary anæmia in infants by, transfusion, 454; Simple and rapid method for selection of suitable donors for transfusion by determination of, groups, 455; Transfusion and unmodified, 456; Simple technique for demonstration of phagocytic mononuclear cell in peripheral, first report of studies on mononuclear cells of blood, 540; Ante-operative and postoperative, counts in non-infective surgical conditions, 541; transfusion in emergency surgery; sodium citrate; indirect method, 542; Transfusion of, by direct method with observations covering over 40 transfusion operations, 542

Blood-pressure, Low, associated with peptone shock and experimental fat embolism, 51; Influence of compression and cerebral emboli on, 120; Pulse-rate and, observations as aid in treatment of head traumas, 410

Blood-vessels, Wounds of, of limb, 542

Blood: See also Embolism, Transfusion, Thrombosis, Hæmorrhage

Bodies, Foreign, in bronchi, 125; Shrapnel balls; their X-ray characteristics compared with bullets and other foreign, 163; Greater certainty in localization of foreign, in eye, 164; Four point survey of localization of foreign, without use of X-ray plates, 164

Boero, Treatment of uterine ruptures during labor by, method, 74

Bone, Depressed nasal deformities corrected by, transplanatation, 21; Surgery of, and joints; open operative treatment of fractures; method of arthroplasty in ankylosis of elbow-joint, 40; surgery, 41; Anatomical routes for operations on long, of upper extremity, 42; Congenital absence or defects of, of extremities, 43; Juxta-articular, lesions of hip, 134; Patellar, graft in excision of knee, 142; Infraction of head of second and third metatarsal, 142; Methods and results of transplantation of, in repair of defects caused by injury or disease, 143; Simplified technique in laminectomy with description of combined laminectomy and spine fixation by, transplant, 150; Osteogenetic action of sterilized, plate in cranial prosthetics, 223; Chronic, suppurations, 244; Clinical and therapeutic study of late, infections consecutive to gunshot wounds, 245; Value of X-ray to patient, surgeon and railroad in injuries where there is or have been, lesion, 263; Filling of infected, cavities, 340; Treatment of fractures of long, 343; Late secondary resection of right shoulder; reproduction of 10 cm. of, 344; Studies in, regeneration, 360; Simple method of mechanical fixation for fracture of long, 408; Results of extensive primary subperiosteal removal of, splinters, 534

Bony, Fragments of, tissue in vitreous body, 85

Brain, Open-flap method of treating perforating, wounds, 22; Deep abscesses of, secondary to cranial wounds, 119; Open and closed treatment of gunshot, wounds, 121; Wounds of skull and, 412; Notes on penetrating wounds of, 510; Influence of labor on, development of child, 76; Hæmangioma of, inoperable by ordinary methods treated by boiling water injections and hot metal point, 119; cyst following skull fracture, 222; Traumatic, lesions, 225; Recovery from compound comminuted depressed fracture of frontal bone with loss of, substance, 316; Microscopic examination of, of two men dead of commotio cerebri without visible external injury, 364; Ocular symptoms of, tumor, 511; Traumatic, surgery, 512; Histopathological studies on, abscess, 512

Breast, Benign tumors of, chronic inflammations and carcinoma, 123; Technique for radical cautery in, cancer, 123; Hernia of, 229; Cancer of male, 323

Brilliant green, Wound treatment by, paste, 215

Bronchi, Foreign bodies in, 125

Bronchoscopic, New method of working out difficult mechanical problems of, foreign body extraction, 230

Bronchoscopy, Caisson, in lung abscess due to foreign body, 125; and œsophagoscopy, 231; 325

Bronchus, Rupture of left, from trachea, 26

Bruck's sero-chemical test for syphilis; report of 400 cases compared with Wassermann reaction, 53

Burns, Treatment of, by paraffin, 52, 354; Electric, causing necrosis of skull, 509

Bursitis, Pain in arm; subdeltoid, 246

Buttock, Wide exposure of vascular trunks in, region, 457

CÆCAL, Right-sided position of stomach in inflammatory conditions in ileo-, region, 333

Cæcum, Diverticulitis of, 237

Cæsarean section, for congenital partial occlusion of vagina, 70; Abdominal, indications and technique, 70; in primipara followed in next pregnancy by normal delivery, 172; Indications for, based on 29 personal cases, 172; Description of simple method of performing extraperitoneal, 172; Fifty uteri removed at, 274; complicated by rupture of uterus, 372; Technique of, 372; Abdominal, and subtotal hysterectomy for contracted pelvis with eclampsia, 472

Caisson bronchoscopy in lung abscess due to foreign body, 125

Calcaneus, Fractures of, considered with regard to their end-results, 442

Calcium sulphide, Experimental study of peritonitis with reference to, and iodine and ether in treatment, 426

Calculi, Bladder, in infants, 179; New method for locating small, in kidney at operation, 476

Calculus, Caution in surgery of suspected renal and ureteric, 77; Hæmaturia in kidney, 176; Vesical, 178; Ureteral, removal by intra-ureteral injections of oil, 178; Large vesical, 280; Salivary, 418; anuria in solitary kidney, 476

Caliper, method of foreign-body localization, 263; Value of, in obtaining extension in compound fractures of femur, 441

Cancer, Mesothorium and combination methods in treatment of, 59; Technique for radical cautery in breast, 123; of male breast, 323; Primary, of liver in girl of eleven years, 130; Relation of induced, immunity to tissue growth and tissue degeneration, 150; Handling of early and doubtful cases of, 151; Causes of, of throat, 186; Surgical treatment of laryngeal, 187; Intrinsic, of larynx; tracheothyrotomy; total laryngectomy, 386; Restoration of gastro-intestinal continuity by anticolic gastrojejunostomy following partial gastrectomy for, of pyloric end of stomach, 329; Morphologic appearance of, clinically cured by radium and roentgen ray, 361; of rectum, 433; Results of radiotherapy in, 450; Radium application in uterine, 468; Influence of pregnancy on development, progress and recurrence of, 472; Surgical treatment of, 549; Lithiasis and kidney, 558

Carcinoma, of maxillary sinus, 22; of umbilicus, 30; of splenic flexure of colon, 33; of larynx treated with radium, 87; Benign tumors of breast, chronic inflammation and, 123; Extent of tissue to be excised for radical removal of, of stomach, 128; of colon, 239;

Uterine, treated by radium, 264; of prostate improved technique for radical excision with preservation of urinary control, 281; of lateral aberrant thyroid, 320; of gall-bladder, 336; Treatment of, of cervix, 366; New methods in treatment of, of lower genito-urinary tract with radium, 381; Roentgenologic diagnosis of primary, of lung, 424; of rectum; excision; transplantation of sigmoid into perineum; technique of operation, 433; Primary, of liver in infancy and childhood, 434; Pathogenesis of, 451
Cardiac, Study of, surgery, 126; projectiles, 126; Functional disturbances attributable to lesion of, plexus and mediastinal nerves in chest wound cases, 423
Cardiospasm resembling malignant stricture of œsophagus, 28
Carotid, Aneurism of internal, artery and its effect upon vision, 283; Ligature of innominate artery for traumatic aneurism of, 457
Carrel, treatment of wounds applied to civil practice, 17; method of treating wounds, 112; Results of use of, Dakin solution in mouth surgery, 112; Dakin-Daufresne treatment, 217; Dakin-, treatment of wounds, 313, 504
Cartilage, Semilunar, fracture-dislocation and fragmentation, 38; prosthesis for eye, 184; Reconstitution of first phalanx of thumb by, graft, 250; grafts in repair of extensive losses of jaw, 412; grafts and loss of cranial substance, 414
Castration, Cell changes in hypophysis of albino rat after, 256
Casualty, Treatment of wounds by solution of soap in, clearing station, 267; Effects of gassing as seen at, clearing station, 461
Catalase, Effect of pancreatectomy on, content of tissues, 436
Cataract, Production of, 571
Catheterizing, New combination observation, and operating cystoscope, 84
Causalgia, Treatment of, by injection of alcohol into nerves, 253
Causes of abortion, 552
Cautery, Technique for radical, in breast cancer, 123
Cavities, Filling of infected bone, 340
Cerebellar, cyst, 224; Cyst of, fossa, 225
Cerebral, Ablation of portions of altered, cortex in epilepsy, 23; Serous encysted meningitis of posterior, fossa; operation; recovery, 119; Influence of compression and, emboli on blood-pressure, 120; metastases consecutive to primary melanosarcoma of left labium majorum, 254; Experimental regional obliteration of, vessels, 320; Primary pneumococcic, abscess, 320; Ether narcosis in, wounds, 320; Elderwood drains for, wounds, 416
Cerebrospinal, Diagnostic value of examinations of, fluid, 47
Cervical, laminectomies, 44; Wounds of, region, 227
Cervix, Treatment of carcinoma of, 366
Chancroid, Treatment of, 181
Chemistry of transudates and exudates with reference to their non-protein nitrogenous constituents, 540
Chest, Results of treatment of, wounds, 25; Early treatment of septic pleural effusions consecutive to, wounds, 26; Comparison between clinical examination and roentgenograms in diseases of, 123; Treatment of penetrating, wounds at the front, 126; Surgical treatment of severe penetrating wounds of, in casualty clearing station, 228; Gunshot wounds of, with retained missiles, 229; Penetrating gunshot wounds of, and their treatment, 322; Early operative treatment of penetrating gunshot wounds of, 323; Gunshot wounds of, 419; Wounds of, as seen at advanced operating center, 421; Functional disturbances attributable to lesion of cardiac plexus and mediastinal nerves in, wound cases, 423; War surgery of, 514; Treatment of wounds of, with special reference to infected hæmothorax, 515
Childbirth, Painless, treated by hyoscine and morphine method, 373; Twilight sleep in, 374, 473; Causes of death in, maternal mortalities in 100,000 confinements at N. Y. Lying-in Hospital, 473
Children, Gonorrhœa in young male, and its treatment, 566
Chlorine, Relative germicidal efficiency of antiseptics of, group and acriflavine and other dyes, 312
Chloroform, Study of, ether and nitrous oxide-oxygen in pregnancy and labor, 173; Apparatus for administering oxygen with ether and, 407
Cholecystectomy, 35; Advantage of, in avoidance of adhesions in gall-bladder surgery, 131; Indications for, and cholecystotomy, 132; versus cholecystotomy, 336; without drainage, 337; with report of 65 cases operated upon for gall-bladder disease, 435
Cholecystitis with and without gall-stones, 34
Cholecystotomy, Indications for cholecystectomy and, 132; Cyolecystectomy versus, 336
Choledochus, Idiopathic, cyst, 241
Chondral, Hereditary deformans, dysplasia, 147
Chylothorax, Report of case of, 422
Cicatrization, Laws of, of cutaneous wounds, 537; Progress of, of war wounds, 538
Citrated, New cases of transfusion of, blood, 261
Civil, Application of military surgery to, practice, 460
Clavicle, Acute osteomyelitis of, 341
Club-foot, Importance of ligaments of ankle in correction of congenital, 43
Colli, Hygroma, 418
Colon, Method of resecting transverse, 16; Carcinoma of splenic flexure of, 33; Carcinoma of, 239; Diverticulum of œsophagus and pseudo-diverticulum of descending, 521; Gastroptosis and ptosis of transverse, 523; Intestinal plicature in affections of ascending, 526
Complement fixation, test for tuberculosis, 357; Practical value of, test for gonorrhœa, 540
Complications, Elliot's operation, and unfavorable results, 484
Conclusions adopted at third session of Interallied Surgical Conference, 268
Conference, Conclusions adopted at third session of Interallied Surgical, 268; Reports of Interallied Surgical, for study of war wounds, 461
Confinements, Accidental hæmorrhage; 254 cases in 100,000, 72
Congenital, Early recognition, treatment, prognosis of, dislocation of hip, 40; Importance of ligaments of ankle in correction of, club-foot, 43; absence or defects of bones of extremities, 43; Cæsarean section for, partial occlusion of vagina, 70; bilateral absence of kidneys in pig embryo, 78; dislocation of hip, 139
Contracture, Contribution to Volkmann's, 443
Copper, Albuminate of, as intravenous antiseptic, 218
Cord, Gunshot injuries of spinal, 44, 45, 149; Hemiplegic form of direct shock of cervical, with lesion of eleventh cranial pair, 165; Advisability of prostatectomy in presence of, lesions, 182; Relation of spinal, to spontaneous liberation of epinephrin from adrenals, 257; and nerve affections causing low back pain, 350; Fractures of spine with, and root symptoms, 447
Coroner's, Obstetric problems and, office, 266
Corpus, Hæmatomata of ovary including, luteum cysts, 271

Counts, Analysis of 998 consecutive complete blood, 259
Cranial, Deep abscesses of brain secondary to, wounds, 119; wounds, 317; gunshot wounds in war surgery, 317; Trepanation in cases of gunshot injury of, vault, 119; Cicatrization of, wounds from surgical viewpoint, 414; Cerebral spastic paralysis due to hæmorrhage; report of, decompression, 120; Hemiplegic form of direct shock of cervical cord with lesion of eleventh, pair, 165; Appearance of fundus oculi in certain intra-, conditions, 183; Osteogenetic action of sterilized bone plate in, prosthetics, 223; Roentgen observations of pituitary region in intra-, lesions, 227; Hæmostasis by muscle strip in, surgery, 414; Cartilage grafts and loss of, substance, 414
Craniocerebral, Temperature as valuable guide to diagnosis, prognosis and surgical treatment in, traumatisms, 118; Primary suture of, gunshot wounds, 415
Crucial, Operation for repair of, ligaments, 248
Cycloplegics, Prescribing lenses after use of, 85
Cyst, Hydatid, of vertebral column, 149; Sarcoma of nasal septum; laryngo-epiglottidean, 186; Brain, following skull fracture, 222; Two cases of cerebellar, 224; of cerebellar fossa, 225; Idiopathic choledochus, 241; Hæmatomata of ovary including corpus luteum, 271; Hæmatic, of prostate, 282; Pancreatic, removal of three-fourths of pancreas; recovery, 435; Labor complicated by dermoid, 555
Cystitis, Vesicovaginal fistula and calculous, 68; Exfoliative, 476
Cystocele, uterine prolapse, retroflexion, and rectocele repaired by plastic operation upon broad ligaments and vagina; fixation of round ligaments and advancement of anterior vaginal wall; perineorrhaphy, 369
Cystoscope, New combination observation, catheterizing and operating, 84

DAKIN, Results of use of Carrel-, solution in mouth surgery, 112; Sterilization by, solution and occurrence of secondary hæmorrhage, 113; Carrel-, Daufresne treatment, 217
Deafness, Sudden and profound, its significance, 85; Changing methods and advances in treatment of progressive, from chronic secretory otitis media, 384
Decalcification consecutive to war traumatisms, 244
Decapsulation, Acanthosis nigricans following, of kidneys, 562
Decompression, Cerebral spastic paralysis due to hæmorrhage; report of first 65 cases of cranial, 120; Total loss of vision in one eye and partial loss in other completely relieved by sellar, operation, 222
Deformans, Osteitis, 348
Deformities, Nerve anastomosis in paralytic, 45
Delivered, Review of recently, cases observed during one year, 175
Deltoid, Pain in arm; sub-, bursitis; clinical types, pathology, and treatment, 246
Dental, Essentials in, radiography, 57
Dermoid, cyst of ovary complicating pregnancy, 71; Labor complicated by, cyst, 555
Diabetes, Traumatic lesion of hypophysis; adipose-genital syndrome and, insipidus, 226; with reference to obstetrics, 374
Diagnosis, of pituitary disorders, 23; of gall-bladder disease, 34; of acute pancreatitis, 35; of acute osteomyelitis, 38; of focal sepsis, 56; of surgical lesions of kidney and ureter, 79; and treatment of certain subacute and chronic joint conditions, 136; Urological, in general practice, 176; Mechanical aids in, of upper urinary tract, 182; and treatment of sinusitis in infants, 185; Differential, of right renal and gall-bladder lithiasis, 240; Roentgenologic, of primary carcinoma of lung, 424; Value of, in back lesions, 444; New specific serum reaction for, of pregnancy, 471; of infarction of entire spleen, 526
Diagnostic, value of examinations of cerebrospinal fluid, 47; significance of bleeding from rectum, 432
Diaphragm, Traumatic hernia of, proving fatal seven months after wound, 427
Diaphragmatic hernia; with report of so-called acquired condition, 327
Dichloramin-T in treatment of wounds of war, 19, 114
Digestion, Gastric, of various foodstuffs after gastroenterostomy, 128
Digestive, Helpful diagnostic sign in ruptured, ulcers, 523
Diphtheric, Outbreak of, wound infection among returned soldiers, 60
Disabilities of war, 267
Disease, Comparison between clinical examination and roentgenograms in, of chest, 123; Etiology of Perthe's, 137; Quiet Pott's, 150; Hip, 252; Hirschsprung's, 334; Cholecystectomy; report of 65 cases operated upon for gall-bladder, 435; Banti's, 437; Gaucher's, 454
Dislocation, Early recognition, treatment, prognosis of congenital, of hip, 40; Dorsal, of great toe at interphalangeal joint, 139; Congenital, of hip, 139; Traumatic, of pubic symphysis with important diastases without urethrovesical lesions, 343; Recurrent or habitual, of shoulder, 440; of both hips without fracture of pelvis, 441
Diverticula, Rectal, as causative factor in pelvic inflammation in women, 34
Diverticulitis, of large intestine, 32; of cæcum, 237
Diverticulum of œsophagus and pseudo-diverticulum of descending colon, 521
Donors, Simple and rapid method for selection of suitable, for transfusion by determination of blood groups, 455
Drainage, Intranasal, of frontal sinus, 185; Posterior, in abdominal surgery, 232; Treatment of large septic wounds by means of irrigation with capillary, 404
Dressing, First line dressing station and first, 545
Duct, Traumatic injuries to thoracic, 324
Duodenal, Perforated gastric and, ulcers, 31; Causes of recurrent symptoms after operation for gastric and, ulcer, 31; Perforated, ulcer, 129; Roentgen diagnosis of concurrent gastric and, ulcer, 236; Syphilis in etiology of gastric and, ulcer, 237; Gastric and, ulcers from surgical point of view, 428; Effect of various neutral solutions on gastric discharge, gastric secretion and, regurgitation, 428; Blood in stools in, ulcer, 430
Duodenum, Case of giant, 129; Diversion of pancreatic juice from, into stomach; its effects upon level of gastric acidity and upon pancreas, 338
Dura, Tuberculomata of, mater, 224
Dysfunction, Adult thymus and its two types of, 230
Dysplasia, Hereditary deformans chondral, 147
Dystrophy, Pseudo-hypertrophic muscular, 147

EAR, Use of nitrous oxide and oxygen analgesia in operations on, nose and throat, 219; Epithelioma of middle, and mastoid, 284; War injuries of, 284; Effect of high explosives on, 570
Eclampsia, and lumbar puncture, 69; Treatment of, 370, 551; Abdominal cæsarean section and subtotal hysterectomy for contracted pelvis with, 472;
Ectopic, Protracted, pregnancy with putrefaction of fœtus retained in abdomen, 69; gestation; diagnosis and treatment, 69; Tumor in, testicle, 481; Treatment of, gestation based on study of 100 cases with report of 12 cases of repeated ectopic pregnancies, 551

Education, Graduate, in clinical branches and Minnesota experiment, 166
Efficiency, Tests for measurement of renal, in relation to prognosis in nephritis, 562
Elbow, Prevention of ankylosis after, resection by immediate mobilization, 139; Primary excision of gunshot wounds of, joint, 443
Elderwood drains for cerebral wounds, 416
Electrocautery, Epithelioma of posterior pharyngeal wall cured with, 286
Elliot's operation; complications and unfavorable results, 484
Emboli, Influence of compression and cerebral, on blood-pressure, 120
Embolism, Pulmonary, 26; Low blood-pressure associated with peptone shock and experimental fat, 51
Embryology of prostate and its relation to surgery of obstructive conditions, 281
Embryomas in plants, 50
Emetine, Action of certain, derivatives on amœbæ, 161
Epididymitis, Treatment of gonorrhœal, complicated by peri-epididymitis, 481
Emphysema, Acute mediastinal, of traumatic origin, 517
Empyema, of thorax, 124; simple, interrupted and continuous aspiration, 124; Acute, of gall-bladder, 131; Diplococcic, with early perforation in lung, 230; Treatment of septic hæmothorax and, 422; Modern treatment of, by antiseptics, 517
Endocranial, Enterococcus as cause of, complications of otitic origin, 285
Enterococcus as cause of endocranial complications of otitic origin, 285
Enterostomy and use of omentum in prevention and healing of fistula, 236
Enucleation, Late infection with, following operation of iridotasis for chronic glaucoma, 566
Epidemic, Maryland, of infantile paralysis in 1916, 439
Epilepsy, Ablation of portions of altered cerebral cortex in, 23
Epiphysis, Acute suppurative destruction of upper femoral, so-called epiphysitis, 147; Separation of lower, of femur with anterior displacement and T-fractures, 531
Epiploicæ, Torsion and inflammation of appendices, 130
Epithelial, Case of adamantinoma showing, pearls, 287
Epithelioma, of middle ear and mastoid, 284; of posterior pharyngeal wall cured with electrocautery, 286; Preoperative reduction of, by roentgen rays or radium, 361
Equilibrium tests for aviation recruits, 63
Equinism consecutive to war wounds, 143
Equinovarus, Talipes, 252
Ether, Anæsthesia from commercial, administration and what due to, 20; oil anæsthesia by rectum, 115; Study of chloroform, and nitrous oxide-oxygen in pregnancy and labor, 173; narcosis in cerebral wounds, 320; Apparatus for administering oxygen with, and chloroform, 407
Ethmoiditis, Unusual infection from, 186
Etiology, of Perthe's disease, 137; and treatment of frequency of urination in women, 170; Certain factors in, of gall-stones on basis of their chemical composition, 241
Etiological, Retained secundines; a study of, factors, 552
Eusol, Convenient method of preparing, 20
Eutocia attained by rational methods rather than by excessive narcosis during labor, 473
Examination, Combined medical and postural, of 746 young adults, 347
Excision, Patellar bone graft in, of knee, 142; Primary, of gunshot wounds of elbow-joint, 443
Exclusion, Rational constricting method of pyloric, 429
Exophthalmic, Unusual aspects of, goiter, 24; Fifty cases of, goiter treated by operation, 122; Results of operations for, goiter, 227; Surgery of, goiter, 321; goiter, 321
Experiment, Graduate education in clinical branches and Minnesota, 166
Experimental, researches on œsophageal autoplastics, 28; shock, 151; Anatomical and, study of sacral anæsthesia, 314; regional obliteration of cerebral vessels, 320; contribution to study of division and functional restoration of nerves, 351; study of surgical shock, 356; operations on pituitary, 417; study of peritonitis with reference to calcium sulphide and special reference to iodine and ether in treatment, 426; Ascending urinary infections; an, study, 561
Explosives, effect of high, on ear, 570
Exstrophy of bladder and its treatment, 481
Extraction, New method of working out difficult mechanical problems of bronchoscopic foreign body, 230; of fragment of shell from anterior wall of right ventricle, 232
Eye, Greater certainty in localization of foreign bodies in, 164; Wounds of, in war, 183; Cartilage prosthesis for, 184; Value of, ground observations in recent cases of fracture of skull, 222; Total loss of vision in one, and partial loss in other completely relieved by sellar decompression operation, 222; First aid in, injuries, 383; Removal of steel particles from interior of, by magnet, 483; Tension in normal, before and after tonsillectomy, 483; Care of, of school children, 484; changes in trench nephritis, 569; Effect of intestinal stasis on, especially in iritis, 570

FACE, Shell wound of, repair operations, 411
Facial, Treatment of true, neuralgia by local injections of alcohol, 221; Restoration of, mutilations by strips taken from frontal region, 316
Fallopian, Conservative surgery of, tubes, 168
Fascial, Treatment of double femoral aneurism by proximal occlusion with autoplastic, flap, 360
Feet, Conservative surgery of, with report of case, 250; Rare deformity of, and hands, 529
Femoral, Acute suppurative destruction of upper, epiphysis; so-called epiphysitis, 147
Femur, Fractures of neck of, in children, 247; Gunshot wounds of, 439; Value of caliper in obtaining extension in compound fractures of, 441; What is best treatment for fracture of neck of, 442; Separation of lower epiphysis of, with anterior displacement and T-fractures, 531
Fibroids, Uterine, diagnosis, complications, and treatment, 366; tumors of vulva, 368; Uterine, with tendency to become sarcomatous, 468
Fibrosis uteri, 548
Filter, New type of rotary mesh, in deep roentgen therapy with special reference to vesical neoplasms, 266
Fistulæ, Rebellious thoracic, due to synostoses, 26; Spontaneous closure of ureteral, consecutive to gynecological interventions, 68; Vesicovaginal, and calculous cystitis, 68; Enterostomy and use of omentum in prevention and healing of, 236; Operative treatment of urethrorectal, method of radical cure, 280; Anal and rectal, 235; Obstetrical vesicovaginal, and ureterovaginal fistula; radical treatment by ureterocystostomy, 368
Fixation, Screw, in joint fractures, 137; Color, of tissues and primary suture, 406
Flap, Treatment of double femoral aneurism by proximal occlusion with autoplastic fascial, 360

Flat-feet, Brief studies in, 535
Flavine, Germicidal power of, 114; Treatment of a recently inflicted war wound with, 216; Treatment of wounds by, 506
Fluid, Diagnostic value of examinations of cerebrospinal, 47
Focal, Diagnosis of, sepsis, 56
Fœtus, Protracted ectopic pregnancy with putrefaction of, retained in abdomen, 69; Diagnosis of age of, by use of roentgenograms, 370
Foot, Some common, conditions and their treatment, 446
Forearm, Treatment of compound fractures of, 530; Greenstick fractures of, correction of deformity by continuous elastic traction, 530
Foreign bodies, Prompt removal of, in gunshot wounds, 63; in bronchi, 125; New method of working out difficult mechanical problems of bronchoscopic, extraction, 230; Two cases of, in prostate, 380
Fractures, Early treatment of gunshot, of thigh, 40; Surgery of bones and joints; open operative treatment of, method of arthroplasty in ankylosis of elbow-joint, 40; Screw fixation in joint, 137; Late correction of malunited, of extremities, 138; Position and traction in treatment of, 138; Thirty cases of complicated, primarily sutured, 138; sprains, 146; Facts about repair and treatment of, 247; Functional results of, 248; Value of total tibiotarsal resection in, of lower part of leg, 250; Recovery from compound comminuted depressed, of frontal bone with loss of brain substance, 316; Prosthetic treatment of lower jaw, 317; Radiography of lower jaw and involvement of teeth in, cases, 509; Treatment of, of long bones, 343; Simple method of mechanical fixation for, of long bones, 408; Gunshot, and especially their displacements, 343; of os calcis, 343; Open gunshot, of patella, 441; of calcaneus considered with regard to their end-results, 442; Dislocation of both hips without, of pelvis, 441; of spine with cord and root symptoms, 447; Treatment of, in warfare, 531
Fracture of femur, in children, 247; Value of caliper in obtaining extension compound, 441; What is best treatment for, 442; Separation of lower epiphysis of, with anterior displacement and T-fractures, 531
Fracture of forearm, Greenstick, correction of deformity by continuous elastic traction, 530; Treatment of compound, 530
Fracture of skull, 118, 317, 509; Value of eye-ground observations in recent cases of, 222; Brain cyst following, 222
Front, Treatment of penetrating chest wounds at, 126; Surgical notes from Western, during summer fighting of 1917, 546
Frontal, Recovery from compound comminuted depressed fracture of, bone with loss of brain substance, 316
Function, Study of kidney, in senility, 562
Functional, Comparative results of various, kidney tests based on series of cases, 279
Fundus, Appearance of, oculi in certain intracranial conditions, 183
Fungous diseases of foot or madura foot in America, 342

GALL-BLADDER, Diagnosis of, disease, 34; Anomalies of, and bile passages; double gall-bladder; floating gall-bladder, 34; Physiology of, under normal and morbid conditions, 131; Advantage of cholecystectomy in avoidance of adhesions in, surgery, 131; Acute empyema of, 131; Differential diagnosis of right renal and, lithiasis, 240; Suction-bulb action of, 240; Carcinoma of, 336; surgery, 434; Stricture of, 434; Cholecystectomy; with report of 65 cases operated upon for, disease, 435; disease and its surgical treatment, 526; trouble complicating disease of internal genitalia, 549
Gall-stones, Cholecystitis with and without, 34; Certain factors in etiology of, 241
Galvanic, Surging, current in treatment of paralysis; simple method of localizing contraction to paralyzed muscles, 252
Ganglion, Injection of gasserian, for neuralgia of fifth cranial nerve, 22; Metastatic spinal, sarcoma with induced ascending paralysis, 45
Gangrene, Malignant non-gaseous, 159; of extremities consecutive to gynecological operation and puerperium, 171; Retrograde intestinal, with particular reference to pathogenesis, 430; of limbs, 439; due to ligature of important arteries, 541
Gas, Clinical manifestations and treatment of, poisoning, 328
Gaseous, Malignant non-, gangrene, 159
Gassing, Effects of, as seen at casualty clearing station, 461
Gastrectomy, Annular segmental, 429
Gastric, infection, 30; Perforated, and duodenal ulcers, 31; Causes of recurrent symptoms after operation for, and duodenal ulcer, 31; digestion of various foodstuffs after gastro-enterostomy, 128; Roentgen diagnosis of concurrent, and duodenal ulcer, 236; Syphilis in etiology of, and duodenal ulcer, 237; polyposis, 331; and duodenal ulcers from surgical point of view, 428; Effect of various neutral solutions on, discharge, gastric secretion and duodenal regurgitation, 428; surgery, 429
Gastro-coloptosis, Surgical treatment of, 31
Gastro-enterostomy, Method of, 111; Gastric digestion of various foodstuffs after, 128; Medical aspect of, 332
Gastro-intestinal, sepsis a cause of Ménière's symptoms, 285; Restoration of, continuity by anticolic gastro-jejunostomy following partial gastrectomy for cancer of pyloric end of stomach, 329; Treatment of, hæmorrhages of newborn, 331; Roentgen ray in diagnosis of, disease, 362
Gastrojejunostomy, Restoration of gastro-intestinal continuity by anticolic, following partial gastrectomy for cancer of pyloric end of stomach, 329
Gastroptosis and ptosis of the transverse colon, 523
Gastrostomy, Method of, 332
Gaucher's disease, 454
Generation, Diagnosis, treatment, and management of surgical conditions complicating process of, 472
Genitalia, Gall-bladder trouble complicating disease of internal, 549
Genito-urinary, causes of low back pain, 381; Some new methods in treatment of carcinoma of lower, tract with radium, 381; Reparatory surgery of, organs, 382; Focal infection of, tract, 558; Study of, tract in pulmonary tuberculosis, 567
Germicidal power of flavine, 114; Relative, efficiency of antiseptics of chlorine group and acriflavine and other dyes, 312
Gestation, Ectopic, diagnosis and treatment, 69
Giantism, Acute lymphatic leukæmia and lymphatic leucosarcoma; lymphatic leucosarcoma; anthrax; acute syphilitic glomerulonephritis; acromegalic, 352
Gland, Clinical symptoms and treatment of hypertrophy of thymus, 26; So-called mixed tumors of salivary, 418; Clinical, anatomic and bacteriologic researches on lachrymal, 483; Tetany and parathyroid, 539
Glandular, Case of pluri-, disturbance; organotherapy; cure, 539
Glaucoma, Late infection with enucleation following operation of iridotasis for chronic, 569

Gliosarcoma resembling hydrocephalus in infant of seven weeks, 22
Glomerulonephritis, Acute lymphatic leukæmia and lymphatic leucosarcoma; lymphatic leucosarcoma; anthrax; acute syphilitic, acromegalic giantism, 352
Glucose, Intravenous, injections in shock, 152
Goiter, Unusual aspects of exophthalmic, 24; Exophthalmic, treated by operation, 122; Results of operations for exophthalmic, 227; Surgery of exophthalmic, 321; Exophthalmic, 321; Recurrence of operated, 25; surgery, 227, 419; Operative treatment of, 513
Gonarthrotomy, Right, for purulent fibrinous synovitis in woman of 72 years, 41
Gonorrhœa, Prostatic infections exclusive of, 482; Practical value of complement fixation test for, 540; in young male children and its treatment, 566
Gonorrhœal, Treatment of, epididymitis complicated by peri-epididymitis, 481
Graft, Patellar bone, in excision of knee, 142; Reconstitution of first phalanx of thumb by cartilage, 250; Treatment of Pott's disease by autogenous tibial bone, Albee's operation, 347; Bone, in tuberculous disease of spine, 350; Cartilage, in repair of extensive losses of jaw, 412; Cartilage, and loss of cranial substance, 414; Reconstruction of synovial tendon sheaths by, of internal saphenous vein, 443; Autoplastic nerve, 449; Cartilage, after resection for bony ankylosis, 534; Osteoperiostic tibial, for reconstruction of bone or repair of losses of osseous substance, 534; Histological study on heterologous tumor, 537
Grafting, Neurotization of paralyzed muscle by muscle, 361
Gunshot, wounds of knee, 39; Early treatment of, fractures of thigh, 40; Treatment of, wounds of limbs, 41; injuries of spinal cord, 44, 45; wounds of peripheral nerves, 45; Prompt removal of foreign bodies in, wounds, 63; Trepanation in cases of, injury of cranial vault, 119; Open and closed treatment of, brain wounds, 121; Unusual complication of laparotomy for, wound, 133; wounds of kidney and ureter as seen at base, 177; Late bone infections consecutive to, wounds, 245; wounds of joints, pathology and treatment, 248; wounds of peripheral nerves and surgical treatment, 253; Tendon operations for, injuries of hand, 345; Open, fractures of patella, 441; injuries of elbow-joint; treatment by early excision, 532; Treatment in field of uncontrollable hæmorrhage in, wounds, 545; Lessons taught by the war in treatment of, injuries, 546
Gutta-percha hyperthermic dressings, 312
Gynecological, Spontaneous closure of ureteral fistula consecutive to, interventions, 68; Gangrene of extremities consecutive to, operation and puerperium, 171; Some contra-indications for certain, operations, 550
Gynecology, in general practice, 171; Sacro-iliac joints in obstetrics and, 251; Common errors in, 470

HÆMANGIOMA of brain inoperable by ordinary methods treated by boiling water injections and hot metal point, 119
Hæmatic cyst of prostate, 282
Hæmatologic indications for immediate transfusion following injury, 157
Hæmaturia, its clinical significance, 84, 559; in kidney calculus, 176; in appendicitis, 238; Renal misplacement; renal, and renal injection, 277
Hæmoglobin, Clinical observations on, after operation, 504
Hæmolysins of vegetable origin, 359
Hæmolytic, Effect of injections of, streptococci on susceptible and insusceptible animals, 543
Hæmorrhage, Control of uterine, 66; Accidental, 254 cases in 100,000 confinements, 72; Sterilization by Dakin's solution and occurrence of secondary, 113; Cerebral spastic paralysis due to, report of first 65 cases of cranial decompression, 120; Arterial wounds without external, and their surgical treatment, 158; Radium in, at menopause, 170; into optic nerve sheaths as direct extension from diffuse intrameningeal hæmorrhage, 226; Postpartum, and its treatment, 276; Treatment of gastro-intestinal, of newborn, 331; Postpartum, 374; Occult, 524; Treatment in field of uncontrollable, in gunshot wounds, 545; into an ovarian cyst simulating ectopic pregnancy, 549; Premature separation of placenta with concealed, 553
Hæmorrhoids, Pathology, diagnosis and treatment of internal, 335; Operative methods for cure of, 433
Hæmorrhoidal, Relation of, disease to health balance, 340
Hæmostasis by muscle strip in cranial surgery, 414
Hæmothorax, Treatment of septic, and empyema, 422; Treatment of wounds of chest with reference to infected, 515; Treatment of infected, 517
Hammer-toe, 146
Hands, Two cases of rare deformity of feet and, 529
Head, Stereoscopic roentgenograms of, 58; Value of roentgenology in, injuries, 265; Indications for operation on traumatic, cases, 315; War wounds of, 409; Pulse-rate and blood-pressure observations as aid in treatment of, traumas, 410; Inter-relation between the radiography and surgery of gunshot wounds of, 508
Heart, Mediastinitis as cause of, failure, 124; Projectiles well tolerated in walls of, 325; Infarction of, simulating acute surgical abdominal conditions, 425
Hemiplegic form of direct shock of cervical cord with lesion of eleventh cranial pair, 165
Hepatic, tissues in acute anaphylactic reaction, 52; Treatment of threatening conditions in, diseases, 240
Hereditary deformans chondral dysplasia, 147
Hernia, Cure of inguinal, 127; Operation for radical cure of inguinal, 234; Inguinal, in male, 427; Chronic intestinal occlusion by adherent, 130; of breast, 229; operation in children and its end-results, 235; and appendicitis in child, 327; Diaphragmatic, with report of so-called acquired condition, 327; Traumatic, of diaphragm proving fatal seven months after wound, 427; Epigastric, without palpable swelling, 327; New technique for radical treatment of umbilical, in adult, 328; Strangulated pulmonary, 425; through anterior abdominal wall in women, 427; Some, that disqualify for military service whether operated upon or not, 522
Hip, Treated and untreated osteochondritis juvenilis of, 37; Early recognition, treatment, prognosis of congenital dislocation of, 40; Artificial impaction of, 41; Juxta-articular bone lesions of, 134; Congenital dislocation of, 139; disease, 252; Treatment of, wounds, 340; Dislocation of both, without fracture of pelvis, 441
Hirschsprung's disease; report of case, 334
Histologic, Researches on, evolution of aseptic scleral resections, 283
Hospitals, Conduction of, 266; teaching institution, 459; Causes of death in childbirth; maternal mortalities in 100,000 confinements at N. Y. Lying-In, 473; Closure of war wounds in base, 545; War, in United States, 546; Syphilis as cause of stillbirths; analysis of 48 stillbirths occurring in 1,500 obstetric cases at University of Michigan Maternity, 555
Hour-glass, Operative treatment of, stomach, 128
Humerus, Case of osteo-aneurism; diffuse traumatic aneurism in surgical neck of, 135

Hydatid cyst of vertebral column, 149
Hydrocele, Rupture of tunica vaginalis in, 181
Hydrocephalus, Gliosarcoma resembling, in infant of seven weeks, 22; Chronic internal, newer methods for its recognition and treatment, 318; Internal, 415
Hygroma colli, 418
Hyoscine, Painless childbirth; 50 consecutive cases treated by, and morphine method, 373
Hyperæmia, Treatment of trench foot and allied conditions by Bier's method of passive, 145
Hypernephroma, 78
Hyperthermic, Gutta-percha, dressings, 312
Hyperthyroidism, Blood sugar in, 419
Hypophyseal, Treatment of, tumors, 513
Hypophysis, Traumatic lesion of, adipose-genital syndrome and diabetes insipidus, 226; Cell changes in, of albino rat after castration, 256
Hypospadias, Modern operations in, from anatomical and functional standpoint, 180
Hysterectomy, Factors of safety in abdominal, 271; Abdominal cæsarean section and subtotal, for contracted pelvis with eclampsia, 472; Technique of total, for non-malignant conditions, 548; Uterine rupture following anterior, 469

ILEO-CÆCAL, Right-sided position of stomach in inflammatory conditions in, region, 333
Immune, Treatment of staphylococcus septicæmia by transfusion of, blood, 261
Immunity, Splenectomy exerts no appreciable influence upon, against transplanted tumors, 133; Relation of induced cancer, to tissue growth and tissue degeneration, 150
Immunological, Review of later developments along, lines, 357
Imperfecta, Osteogenesis, 147
Incisions, Principles of plastic surgery, contour and suture, 16; Transverse, in upper abdomen, 111; Rectangular flap, for operations within upper abdomen, 233; Use of relaxation, in dealing with extensive unstable scars, 451
Indicanæmia, a symptom of renal insufficiency, 80
Indications, for nephrectomy, 79; for mastoid operation in acute otitis media, 86; for cholecystectomy and cholecystotomy, 132; Hæmatologic, for immediate transfusion following injury, 157; for cæsarean section based on 29 personal cases, 172; for operation on traumatic head cases, 315
Industry, Relation of physician to some problems of modern, 65
Infantile, surgery, 153; Maryland epidemic of, paralysis in 1916, 439; Surgical treatment of, paralysis, 445
Infarct, Septic kidney, from infected finger; nephrectomy, 77; of placenta, 473
Infarction, of heart simulating acute surgical abdominal conditions, 425; Diagnosis of, of entire spleen, 526
Infected, Some aspects of treatment of, war wounds, 464
Infection, Gastric, 30; in prostate cases, 83; Susceptibility to, manifested by remains of incompletely removed tonsils, 87; Wound, growth of anaerobic bacilli in fluid media under apparently aerobic conditions, 159; Bacterial anaphylaxis and, 160; Treatment of, following labor; mature and premature, 174; Unusual, from ethmoiditis, 186; Tubo-ovarian, 272; Renal, 477; of wounds, 506; Focal, of genito-urinary tract, 558; Non-tuberculous, of kidney, 560; Ascending urinary, 561; Late, with enucleation following operation of iridotasis for chronic glaucoma, 569
Infective, Study of ante-operative and postoperative blood counts in non-, surgical conditions, 541
Inflammation, Rectal diverticula as causative factor in pelvic, in women, 34; Benign tumors of breast, chronic, and carcinoma, 123
Inflammatory, Influence of oxygen upon, reactions, 153
Infundibular syndrome in case of tumor of third ventricle, 225
Inguinal, Cure of, hernia, 127; Operation for radical cure of, hernia, 234; hernia in male, 427
Injection, Technical refinements in methods of intravenous, 16; Treatment of shock by intravenous, 152
Injuries, Subparietal, of intestines and kidneys, 37; of musculospiral nerve, 46; Treatment of minor, 161; Value of roentgenology in head, 265; Tendon operations for gunshot, of hand, 345; Nerve, 351; Neurologic indications for and against operations in traumatic, affecting central nervous system, 352; Treatment of nerve, muscle, and joint, in soldiers by physical means, 363; First aid in eye, 383; Birth, of shoulder, 440; Gunshot, of elbow-joint; treatment by early excision, 532
Innominate, Ligature of, artery for cure of subclavian aneurism, 262; Ligation of, artery for traumatic aneurism of carotid, 457
Institution, Hospital; teaching, 459; Need of standardizing statistics of child-caring, foundling asylums, etc., 460
Instruments, Modern, for limb amputations, 220
Interallied, Conclusions adopted at third session of, Surgical Conference, 268
Interposition, After-results of, operation, 67; Development and perfection of, operation for prolapse of uterus and bladder, 367
Interstitial pregnancy, 551
Intestinal, Chronic, occlusion by adherent hernia, 130; Retrograde, gangrene with particular reference to pathogenesis, 430; toxæmia of high obstruction, 524; plicature in affections of ascending colon, 526; Effect of, stasis on eye, especially in iritis, 570
Intestine, Diverticulitis of large, 32; Subparietal injuries of, and kidneys, 37; Acute torsion of whole mesentery of small, 430; Myoma of, 525
Intrathoracic, Tracheal displacement and compression in, disease, 230
Intravenous, Technical refinements in methods of, injection, 16; Arthritis and foreign protein; chronic rheumatism relieved by, injections, 53; glucose injections in shock, 152; Antibodies in gonococcal arthritis after, injection of specific and non-specific protein, 157; Puerperal septicæmia successfully treated with, injections of collosol argentum, 556
Intussusception, 524; in children, 32; in infant; resection; recovery, 129; Early recognition of, 237
Iridotasis, Late infection with enucleation following operation of, for chronic glaucoma, 569
Iritis, Effect of intestinal stasis on eye, especially in, 570
Irrigation, Treatment of large septic wounds by means of, with capillary drainage, 404
Ischæmia, Traumatic obliteration of limb arteries; nervous, in wounded, 262
Italian, Some accomplishments of, medical men in war, 460

JAUNDICE, Acholuric, treated by splenectomy, 36; Relation of spleen to blood destruction and regeneration and to hæmolytic, influence of splenectomy and of blood disintegration upon production of bile pigment, 339
Jaw, Prosthetic treatment of lower, fractures, 317; War injuries of, 21; Cartilage grafts in repair of extensive losses of, 412; Radiography of lower, and involvement of teeth in fracture cases, 509
Jejunostomy; its indications and methods, 333

Joints, Surgery of bones and, open operative treatment of fractures; method of arthroplasty in ankylosis of elbow-joint, 40; Splint for treatment of gunshot wounds involving shoulder-, 116; Syphilis of, 136; Diagnosis and treatment of certain subacute and chronic, conditions, 136; Screw fixation in, fractures, 137; Dorsal dislocation of great toe at interphalangeal, 139; Gunshot wounds of, pathology and treatment, 248; Sacro-iliac, in obstetrics and gynecology, 251; Operative treatment of osteo-arthritis of hip-, 252; Etiologic factors in gross lesions of large, 341; Wounds of knee-, 438; Hypertrophic villous synovitis of knee-, 438; Movements of sacro-iliac, 445; Syphilitic, disease simulating tuberculosis, 528; Treatment of wounds of knee-, from projectiles in warfare, 532; Gunshot injuries of elbow-, treatment by early excision, 532

Jones, Adaptation of Thomas and, splints to obtain fixation of arm in abducted position while patient is ambulatory, 116

KIDNEYS, Subparietal injuries of intestines and, 37; Septic, infarct from infected finger; nephrectomy, 77; Congenital bilateral absence of, in pig embryo, 78; Diagnosis of surgical lesions of, and ureter, 79; Tests for estimating functional efficiency of, 80; Hæmaturia in, calculus, 176; Gunshot wounds of, and ureter as seen at the base, 177; Results obtained with phenolsulphonephthalein test in functional diagnosis of, diseases, 178; Injuries to pancreas following operations on right, 278; Comparative results of various functional, tests, 279; Calculus anuria in solitary, 476; New method for locating small calculi in, at operation, 476; Recognition of surgical, 478; Surgical treatment of wandering, 479; Treatment of bladder and urethral wounds and of, and ureter wounds at front and at base, 480; Transplantation of whole organs; autotransplant of left, to neck with right nephrectomy in dog, 544; Lithiasis and, cancer, 558; Tumors of, 558; Non-tuberculous infections of, 560; function in senility, 562; Acanthosis nigricans following decapsulation of, 562; Tuberculosis of, 560; Renal functional tests and pyelography in diagnosis, 564

Knee, Gunshot wounds of, 39; Infected, wounds; treatment and results, 134; Arthrotomy of, in war surgery with reference to new method, 140; Operative treatment of tuberculosis of, joint in adults, 141; Patellar bone graft in excision of, 142; Penetrating gunshot wounds of, 340; Orthopedic and functional results of conservative operations in war wounds of, 438; Wounds of, joint, 438; Hypertrophic villous synovitis of, joint, 438

LABOR, Bilateral ovariectomy in pregnancy, at term, 73; Treatment of uterine ruptures during, by Boero method, 74; Tyramin as adjunct to morphine in, 75; Influence of, on brain development of child, 76; Study of chloroform, ether and nitrous oxide-oxygen in pregnancy and, 173; Treatment of infection following, mature and premature, 174; Causes and surgical aspect of rupture of uterus during, 275; Eutocia by rational methods rather than by excessive narcosis during, 473; complicated by dermoid cyst, 555; Care of perineum during second and third stages of, 556

Lachrymal, Clinical, anatomic and bacteriologic researches on, glands, 483

Lactis bulgaricus, Use of bacillus, in infected wounds, 114

Laminectomy, Cervical, 44; Simplified technique in, with description of combined laminectomy and spine fixation by bone transplant, 150

Laparotomy, Unusual complication of, for gunshot wound, 133; Results in 221 cases of, for myoma, 167

Laryngeal, Surgical treatment of, cancer, 187

Laryngectomy, Intrinsic cancer of larynx; tracheothyrotomy; total, 386

Larynx, Carcinoma of, treated with radium, 87; Intrinsic cancer of, 386

Lenses, Prescribing, after use of cycloplegics, 85

Lesions, Surgery of X-ray, 164; Value of diagnosis in back, 444

Leucocytes, Degeneration of, in urine as diagnostic aid in tuberculosis of urinary tract in women, 81; Proteolytic power of normal polynuclear, of circulating blood, 159

Leukæmia, Acute lymphatic, and lymphatic leucosarcoma; lymphatic leucosarcoma; anthrax; acute syphilitic glomerulonephritis; acromegalic giantism, 352; Treatment of myelocytic, by radium, 354; Treatment of myelogenous, with radium, 452

Ligament, Advanced pregnancy in broad, 71; Operation for repair of crucial, 248

Ligation or excision of pelvic veins in treatment of puerperal pyæmia, 169

Limbs, Gangrene of, 439

Lip, Congenital paramedian sinuses of lower, 485

Lithiasis, Differential diagnosis of right renal and gallbladder, 240; Clinical diagnosis of, of upper urinary tract, 277; Clinical study of, 377; and kidney cancer, 558; with bilateral renal involvement, 558; Diagnosis of urinary, 567

Liver, Myeloma with metastasis to, and spleen, 47; Primary cancer of, in girl of eleven years, 130; Primary carcinoma of, in infancy and childhood, 434

Localization of foreign bodies, 56; Greater certainty in, of foreign bodies in eye, 164; Survey of, of foreign bodies without use of X-ray plates, 164; Caliper method of foreign-body, 263; X-ray, 544

Ludwig's angina, 123

Lumbar, Eclampsia and, puncture, 69; puncture in war surgery, 121; Defects in differentiation of vertebræ; especially of fifth, 536

Lumbo-iliac, Route of approach to, region, 447

Lung, Caisson bronchoscopy in, abscess due to foreign body, 125; Macroscopic and microscopic findings in, after unilateral removal, 126; Diplococcic empyema with early perforation in, 230; War wounds of, 423; Roentgenologic diagnosis of primary carcinoma of, 424; Surgical treatment of, wounds, 424; Treatment of non-tuberculous, abscess with pneumothorax; 518; War injuries of, 519; Pregnancy in tuberculosis of, 554

Lymphangioma, Cystic, 52

Lymphaticus, Cause of sudden death in status, 453

McDONALD solution, 504

Madura, Fungous diseases of foot or, foot in America, 342

Magnet, Removal of steel particles from interior of eye by, 483

Malignancy, of biliary apparatus, 337; Syphilis and, 453

Malignant, Antepartum mammary hyperæmia due to unrecognized, disease, 25; Radio-active therapy in, growths, 56; diseases of throat and sinuses; cases treated by radium and roentgen rays, 58; Melanocarcinoma showing its stealthy nature and rapidly, course, 151; non-gaseous gangrene, 159; Possibilities and limitations of roentgenotherapy in, disease, 265; Methods of preparing and using radio-active substances in treatment of, disease and of estimating suitable dosages, 355; Technique of total hysterectomy for non-, conditions, 548

Malunited, Late correction of, fractures of extremities, 138
Mammary, Antepartum, hyperæmia due to unrecognized malignant disease, 25
Mandible, Suggestions toward systematic operative treatment of gunshot wounds of, 486
Mastoid, Radical, operation; its termination with reference to hearing and suppuration, 85; Indications for, operation in acute otitis media, 86; Epithelioma of middle ear and, 284; Complete, operation, 484
Mastoiditis, 570; Modifications in operative technique for acute, 284
Mediastinal, Acute, emphysema of traumatic origin, 517
Mediastinitis as cause of heart failure, 124
Medical service in United States Army, 460; Some accomplishments of Italian, men in war, 460
Megacolon; megasigmoid, 130
Melanocarcinoma, Case of, showing its stealthy nature and rapidly malignant course, 151; Cerebral metastases consecutive to primary, of left labium majorum, 254
Ménière's, Gastro-intestinal sepsis a cause of, symptoms, 285
Meningeal, Hæmorrhage into optic nerve sheaths as direct extension from diffuse intra-, hæmorrhage, 226
Meningitis, Serous encysted, of posterior cerebral fossa; operation; recovery, 119; Meningococcic septicæmia without, 512
Meningococcic septicæmia without meningitis, 512
Menopause, Radium in hæmorrhage at, 170
Menstrual, Organotherapy of, disorders, 167
Mesentery, Acute torsion of whole, of small intestine, 430
Mesothorium and combination methods in treatment of cancer, 59
Metastases, Cerebral, consecutive to primary melanosarcoma of left labium majorum, 254
Metatarsal, Infraction of head of second and third, bones, 142
Methods, Operative, for cure of hæmorrhoids, 433
Military, Use of nitrous oxide and oxygen with rebreathing in, surgery, 268; Present methods in, surgery, 364; Anæsthetics in, hospitals, 406; Administration of anæsthetics in home, hospitals, 406; Application of, surgery to civil practice, 460; Some hernias that disqualify for, service whether operated upon or not, 522
Minnesota, Graduate education in clinical branches and, experiment, 166
Monomyoplegias, Traumatic, 341
Morphine, Painless childbirth; 50 consecutive cases treated by hyoscine and, method, 373; Comparative influence of, and total opium alkaloids on renal colic, 378
Mouth, Results of use of Carrel-Dakin solution in, surgery, 112; Treatment of wounds involving mucous membrane of, and nose, 412
Muscle, Transplants of strips of striated, 42; Supernumerary orbital, 283; nerve testing during operation, 444; Effect of intermittent stretching on, and nerves after nerve severance, 536
Muscular, Pseudo-hypertrophic, dystrophy, 147
Myelogenous, Treatment of, leukæmia with radium, 452
Myeloma with metastasis to liver and spleen, 47
Myelomata, Multiple, with chronic nephritis showing Bence-Jones protein in urine and blood serum, 282
Myoma, Results in 221 cases of laparatomy for, 167; of intestines, 525
Myomata, Uterine, 468
Myositis, purulenta acuta caused by bacillus typhosus, 341; ossificans developing in clean incised abdominal wound, 528

NASAL, Depressed, deformities corrected by bone transplantation, 21; New method of dealing with, septum, 186; Transplantation of tibia for, deformity, 286; Operations on, sinuses carried out through temporary opening in septum, 286; septum deformity in children, 386; reconstruction with note on nature's plastic surgery, 411; Rhinoplasty and, prosthetics, 412; sarcoma cured by radium, 485
Nasopharynx, Stenosis of, operation with prosthesis, 485
Neck, Broken, 440; What is best treatment for fracture of, of femur, 442
Necropsies, Etiologic factors in gross lesions of large joints; observations from 1,100, 341
Neoplasms, Importance of left axillary adenopathy as diagnostic sign of abdominal, 133; Vesical, 81; New type of rotary mesh filter in deep roentgen therapy with special reference to vesical, 266
Nephrectomy, Septic kidney infarct from infected finger; 77; Indications for, 79
Nephritis, Multiple myelomata with chronic, showing Bence-Jones protein in urine and blood serum, 282; Tests for measurement of renal efficiency in relation to prognosis in, 562; Eye changes in trench, 569
Nephrolithiasis, Clinical observations on 371 cases presenting symptoms of, 278
Nephropathy, Experimental, in dog; lesions produced by injection of bacillus bronchisepticus into renal artery, 262
Nerve, Injection of gasserian ganglion for neuralgia of fifth cranial, 22; Gunshot wounds of peripheral, 45; Injury of musculospiral, 46; anastomosis in paralytic deformities, 45; Experimental contribution to study of division and functional restoration of, 351; Treatment of causalgia by injection of alcohol into, 253; Gunshot wounds of peripheral, and their surgical treatment, 253; Study of surgery of, trunks, 254; Immediate suture of, 254; Effect of stimulation of sensory, upon rate of liberation of epinephrin from adrenals, 256; Cord and, affections causing low back pain, 350; Some points arising in, injuries, 351; Intense vulvovaginal pruritis treated by resection of perineal, 369; Muscle, testing during operation, 444; Redisposition of ulnar, 448; Autoplastic, graft, 449; Separate suture of, in nerve-trunks, 449; Effect of intermittent stretching on muscles and, after nerve severance, 536; Vibrating sensation in differential diagnosis of affections of spinal cord and peripheral, 536; Sarcoma of right optic, 569
Nervous, shock, 255; Traumatic obliteration of limb arteries, ischæmia in wounded, 262; Neurologic indications for and against operations in traumatic injuries affecting central, system, 352
Nervus, Peripheral distribution of, terminalis in infant, 356
Neuralgia, Injection of gasserian ganglion for, of fifth cranial nerve, 22; Treatment of true facial, by local injections of alcohol, 221
Neurologic indications for and against operations in traumatic injuries affecting central nervous system, 352
Neuroplasty, Tendo- and, 251
Neurotization of paralyzed muscle by muscle grafting; laboratory and clinical study, 361
Nitrous, oxide-oxygen anæsthesia, 115; Study of chloroform, ether and, oxide-oxygen in pregnancy and labor, 173; Oxide and analgesia in obstetrics, 173; Use of, oxide and oxygen analgesia in operations on ear, nose, and throat, 219; oxide-oxygen anæsthesia in general surgery, 219; Use of, oxide and oxygen with rebreathing in military surgery, 268

Nose, Clinical lecture on some, and throat diseases of childhood, 185; Use of nitrous oxide and oxygen analgesia in operations on ear, and throat, 219; Malignant papilloma of, and right maxillary sinus, 385; Treatment of wounds involving mucous membrane of mouth and, 412; Treatment of suppuration of accessory sinuses of, 485
Nulliparous, Procidentia in, women; report of seven cases with surgical measures devised for their relief, 548

OBSTETRICAL, vesicovaginal fistula and ureterovaginal fistula; radical treatment by ureterocystostomy, 368; Can frequency of some, operations be diminished, 556
Obstetrics, 474, 475; Nitrous oxide analgesia in, 173; Sacro-iliac joints in, and gynecology, 251; problems and coroner's office, 266; Diabetes with special reference to, 374; Syphilis as cause of stillbirths; analysis of 48 stillbirths occurring in 1,500, cases of University of Michigan Maternity Hospital, 555.
Obstruction, of ureter, 378; Intestinal toxæmia of high, 524
Occlusion, Chronic intestinal, by adherent hernia, 130
Ocular symptoms of brain tumor, 511
Oculi, Appearance of fundus, in certain intracranial conditions, 183
Œsophageal, Experimental researches on, autoplastics, 28
Œsophagoscopy, Bronchoscopy and, 231; 325
Œsophagus, Huge dilatation of, 28; Cardiospasm resembling malignant stricture of, 28; Treatment of foreign bodies in lower air passages and, or direct method, 518; Diverticulum of, and pseudo-diverticulum of descending colon, 521
Omentum, Enterostomy and use of, in prevention and healing of fistula, 236
Operations, Anatomical routes for, on long bones of upper extremity, 42; Pregnancy at term after Schauta-Wertheim, 74; Radical mastoid, its termination with reference to hearing and suppuration, 85; and result in spina bifida, 149; New, for prolapse of uterus, 167; Choice of, for retrodisplacement, 167; for repair of crucial liagments, 248; Development and perfection of interposition, for prolapse of uterus and bladder, 367; Local anæsthesia in major surgical, 407; Elliot's, complications and unfavorable results, 484; Complete mastoid, 484
Optic, Hæmorrhage into, nerve sheaths as direct extension from diffuse intrameningeal hæmorrhage, 226; Sarcoma of right, nerve, 569
Orbital, Supernumerary, muscles, 283
Organotherapy, of menstrual disorders, 167; Pluriglandular disturbance, cure, 539
Organs, Misplaced and missing, 360
Orthopedic, Anæsthetics in, surgery, 20; treatment of acute and convalescent poliomyelitis, 43; problems in after-treatment of infantile paralysis, 148; Place of, surgery in war, 165; Description of, innersole for shoes, 315; Recent, surgery, 349; and functional results of conservative operations in war wounds of knee, 438; treatment of deformities resulting from incurable paralysis, 535
Os calcis, Fractures of, 343
Osseous neoformation consecutive to multiple and repeated contusive trauma, 245
Osteitis, Fistulous, consecutive to war wounds, 137; deformans, 348
Osteo-aneurism, Case of, diffuse traumatic aneurism in surgical neck of humerus, 135
Osteo-arthritis, Operative treatment of, of hip-joint, 252
Osteochondritis, Treated and untreated, juvenilis of hip, 37
Osteogenesis imperfecta, 147
Osteogenetic action of sterilized bone plate in cranial prosthetics, 223
Osteomyelitis, Diagnosis of acute, 38; Acute, of clavicle, 341
Osteoperiostic tibial grafts for reconstruction of bone or repair of losses of osseous substance, 534
Osteosynthesis in war surgery, 533
Otitic, Enterococcus as cause of endocranial complications of, origin, 285
Otitis, Indications for mastoid operation in acute, media, 86; Latent, of early infancy, 184; Suppurative, media with paralysis of external rectus, 184; Postgrippal, media, 285; Changing methods and advances in treatment of progressive deafness from chronic secretory, media, 384
Ovarian, Hæmorrhage into, cyst simulating ectopic pregnancy, 549
Ovariectomy, Bilateral, in pregnancy, labor at term, 73
Ovaritis, Chronic appendicitis and sclerocystic, 67
Ovary, Hæmatomata of, including corpus luteum cysts, 271; Unilateral defect of tube and, study in prenatal pathology, 470
Oxygen, Influence of, upon inflammatory reaction, 153; Apparatus for administering, with ether and chloroform, 407

PAIN, Genito-urinary causes of low back, 381
Pancreas, Acquired syphilis of, 242; Injuries to, following operations on right kidney, 278; Pancreatic cyst; removal of three-fourths of, recovery, 435
Pancreatectomy, Effect of, on catalase content of tissues, 436
Pancreatic, Diversion of, juice from duodenum into stomach; its effects upon level of gastric acidity and upon pancreas, 338
Pancreatitis, Diagnosis of acute, study of 33 cases, 35; Acute, 339
Papilloma, Malignant, of nose and right maxillary sinus, 385
Paraffin, Treatment of burns by, 52; Use of liquid, in treatment of war wounds, 255; treatment of burns, 354
Paralysis, Metastatic spinal ganglion sarcoma with induced ascending, 45; Facial, consecutive to war wounds, 117; Cerebral spastic, due to hæmorrhage; report of first 65 cases of cranial decompression, 120; Tendon transplantation for relief of, following anterior poliomyelitis, 148; Orthopedic problems in after-treatment of infantile, 148; Suppurative otitis media with, of external rectus, 184; Surging galvanic current in treatment of, simple method of localizing contraction to paralyzed muscles, 252; Maryland epidemic of infantile, in 1916, 439; Surgical treatment of infantile, 445; Orthopedic treatment of deformities resulting from incurable, 535
Paralyzed, Surging galvanic current, in treatment of paralysis; simple method of localizing contraction to, muscles, 252; Neurotization of, muscle by muscle grafting; laboratory and clinical study, 361
Paramedian, Congenital, sinuses of lower lip, 485
Parathyroid, Tetany and the, glands, 539
Paste, Bismuth iodoform petrolatum, in treatment of recent wounds, 405
Patella, Open gunshot fractures of, 441
Pathogenesis, Retrograde intestinal gangrene with particular reference to, 430; Experimental study of, of carcinoma, 451

Pathological study of splenic anæmia, 454
Pathology, Unilateral defect of tube and ovary; study in prenatal, 470
Pearls, Case of adamantinoma showing epithelial, 287
Pelvic, Rectal diverticula as causative factor in, inflammation in women, 34
Pelvis, Dislocation of both hips without fracture of, 441; New incision for exposure of lower abdomen and, 503
Peptic, X-ray in, ulcer, 330; Symptomatology of, ulcer, 428
Perineorrhaphy, Cystocele, uterine prolapse, retroflexion, and rectocele repaired by plastic operation upon broad ligaments and vagina; fixation of round ligaments and advancement of anterior vaginal wall, 369
Perineum, Transplantation of sigmoid into, technique of operation, 433; Care of, during second and third stages of labor, 556
Peritoneum in war surgery, 233
Peritonitis, Tuberculous, 29, 30; Acute appendicitis with, cases that should not be drained, 33; Postoperative treatment of diffuse, 326; Toxic phenomena in, and shock, 426; Experimental study of, with calcium sulphide and special reference to iodine and ether in treatment, 426
Permanganate, Potassium, in treatment of anaerobic infection of wounds, 405
Pernicious, Case of, anæmia in boy of eight years, 158
Perthe's, Etiology of, disease, 137
Phagocytic, Simple technique for demonstration of, mononuclear cell in peripheral blood; first report of studies on mononuclear cells of blood, 540
Phagocytosis in vivo under various conditions, 49
Phalanx, Reconstitution of first, of thumb by cartilage graft, 250
Pharyngeal, Epithelioma of posterior, wall cured with electrocautery, 286
Phenolsulphonephthalein, Results obtained with, test in functional diagnosis of kidney diseases, 178
Physician, Relation of, to some problems of modern industry, 65
Physiology of gall-bladder under normal and morbid conditions, 131
Pilonidal sinus, 255
Pituitary, Diagnosis of, disorders, 23; Roentgen observations of, region in intracranial lesions, 227; Experimental operations on, 417
Placenta, prævia in twin pregnancy, 70; Retained, 75; Infarcts of, 473; Premature separation of, with concealed hæmorrhage, 553; Dangers and treatment of, prævia, 553
Placental transmission; total creatinine in plasma, whole blood and corpuscles of mother and fœtus, 71
Plastic, Principles of, surgery; incision, contour and suture, 16; Nasal reconstruction; with note on nature's, surgery, 411.
Pleural, Early treatment of septic, effusions consecutive to chest wounds, 26; Roentgen ray in diagnosis of pneumonia, diseases and pulmonary tumors, 264; Clinical and radioscopic researches on remote sequelæ of, effusions; traumatic or spontaneous, 324
Pneumococcic, Primary, cerebral abscess, 320
Pneumothorax, Thirty cases of pulmonary tuberculosis treated by induction of artificial, 27; 1,000 applications of artificial, 324; Treatment of non-tuberculous lung abscess with, 518
Poisoning, Clinical manifestations and treatment of gas, 328
Poliomyelitis, Orthopedic treatment of acute and convalescent, 43; Treatment of deformities of spine caused by, 43; Tendon transplantations for relief of paralysis following anterior, 148; Specific serum therapy of epidemic, report of 159 cases treated with antipoliomyelitic horse serum, 155; Mechanical and surgical treatment of anterior, 348
Polycythæmia, Acute tuberculosis, with enlarged spleen; Vaquez's disease, 527
Polyposis, Gastric, 331
Pontine, Interesting, syndrome, 416
Postoperative, treatment of diffuse peritonitis, 326; treatment of surgical cases, 403; Pre- and, treatment of abdominal wounds, 522; Study of ante-operative and, blood counts in non-infective surgical conditions, 541
Postpartum, hæmorrhage and its treatment, 276; hæmorrhage, 374
Postural, Combined medical and, examination of 746 young adults, 347
Pott's, Quiet, disease, 150; Treatment of, disease by autogenous tibial bone graft; Albee's operation, 347
Pregnancy, Protracted ectopic, with putrefaction of fœtus retained in abdomen, 69; Hæmorrhage into an ovarian cyst simulating ectopic, 549; Treatment of ectopic gestation based on study of 100 cases with report of 12 cases of repeated ectopic, 551; Placenta prævia in twin, 70; Advanced, in broad ligament, 71; Dermoid cyst of ovary complicating, 71; Bleeding in, 72; Coincident, and tabes dorsalis, 73; Bilateral ovariectomy in, labor at term, 73; at term after Schauta-Wertheim operation, 74; Cæsarean section in primipara followed in next, by normal delivery, 172; Symptoms, prophylaxis and treatment of toxæmia of, 371; Pyelitis complicating, 373; New specific serum reaction for diagnosis of, 471; Double, recurrent and bilateral tubal, analysis of 89 cases reported and 3 unpublished personal cases, 471; Influence of, on development, progress and recurrence of cancer, 472; Certain causes of bleeding during, significance and treatment, 472; Interstitial, 551; Toxæmias of, 552; and pulmonary tuberculosis with report of 103 cases, 553; Should uterus be removed when it becomes imperative to interrupt, 554; in cases of tuberculosis of lungs, 554
Prevertebral, Extraction of foreign bodies from upper part of, region, 513
Problems, Some of unsettled, in surgery, 356
Procidentia, recti and its treatment, 239; in nulliparous women; report of seven cases with surgical measures devised for relief, 548
Projectiles, Three cases of cardiac, 126
Prolapse, New operation for, of uterus, 167; Adult rectal, 244
Prolapsus uteri and treatment, 469
Prophylactic use of vaccines in great war, 156
Prostate, Benign hypertrophy of, and its treatment by suprapubic prostatectomy, 82; Infections in, cases, 83; Surgery of, 83; Embryology of, and its relation to surgery of obstructive conditions, 281; Carcinoma of, improved technique for radical excision with preservation of urinary control, 281; Hæmatic cyst of, 282; Foreign bodies in, 380; Patent urachus with abscess complicating hypertrophied, 565
Prostatectomy, 84; Benign hypertrophy of prostate and its treatment by suprapubic, 82; New method of anæsthesia in, 84; Advisability of, in presence of cord lesions, 182; Suprapubic, with mechanical drainage, 282; Study of vesical orifice following perineal, 380; Results of suprapubic, 482; Systematic closure of suprapubic wound in, 482; Suprapubic, 566
Prostatic, hypertrophy with tabes, 82; infections exclusive of gonorrhœa, 482

Prosthesis, Cartilage, for eye, 184; Stenosis of nasopharynx; operation with, 485
Prosthetic, treatment of lower jaw fractures, 317; Rhinoplasty and nasal, 412
Protein, Serum changes following, shock therapy, 454
Proteolytic power of normal polynuclear leucocytes of circulating blood, 159
Pruritis, Intense vulvovaginal, treated by resection of perineal nerves, 369
Pseudohypertrophic muscular dystrophy, 147
Ptosis, Gastroptosis and, of transverse colon, 523
Pubic, Traumatic dislocation of, symphysis with important diastases without urethrovesical lesions, 343
Puerperal, Ligation or excision of pelvic veins in treatment of, pyæmia, 169; Treatment of, pyæmia, 276; septicæmia successfully treated with intravenous injections of collosol argentum, 556
Puerperium, Gangrene of extremities consecutive to gynecological operation and, 171
Pulmonary, embolism, 26; Presentation of 25 cases operated upon for intra-, projectiles, 231; Late extractions of intra-, projectiles, 325; teratoma, 424; Strangulated, hernia, 425; Pregnancy and, tuberculosis with report of 103 cases, 553; Preliminary report of study of genito-urinary tract in 600 cases of, tuberculosis, 565
Pulse-rate and blood-pressure observations as aid in treatment of head traumas, 410
Puncture, Eclampsia and lumbar, 69; Lumbar, in war surgery, 121; Suboccipital, 220
Pyæmia, Treatment of puerperal, 276
Pyelitis, in children, 177; complicating pregnancy, 373
Pyelography, Renal function tests and, in kidney diagnosis, 564
Pyloric, Hyperplastic, stenosis, 218; stenosis in infancy, 237; Rational constricting method of, exclusion, 429
Pyometra, Case of, 367

QUININE and urea hydrochloride, 331

RADIO-ACTIVE, therapy in malignant growths, 56; Methods of preparing and using, substances in treatment of malignant disease and of estimating suitable dosages, 355
Radiography, Essentials in dental, 57; Skeletal, as aid to diagnosis of obscure syphilis, 458; Study of interrelation between the, and surgery of gunshot wounds of head, 508; of lower jaw and involvement of teeth in fracture cases, 509
Radiologic, Function and use of various types of, installations in army, 63
Radioscopic, Extraction of bullet lodged in bladder by natural route under control of, screen, 379
Radiotherapy, Statistical results of, in cancer, 450
Radium, Results of, treatment, 57; Malignant diseases of throat and sinuses; cases treated by, and roentgen rays, 58; Carcinoma of larynx treated with, 87; in hæmorrhage at menopause, 170; Clinical observations on uterine carcinoma treated by, 264; Treatment of myelocytic leukæmia by, 354; Morphologic appearance of cancer clinically cured by, and roentgen ray, 361; Pre-operative reduction of epithelioma by roentgen rays or, 361; Some new methods in treatment of carcinoma of lower genito-urinary tract with, 381; Report on treatment of myelogenous leukæmia with, 452; Results of, application in uterine cancer, 468; Nasal sarcoma cured by, 485
Rectal, Adult, prolapse, 244; Anal and, fistula, 335
Recti, Procidentia, and its treatment, 239
Rectosigmoid, Study of, 334
Rectovaginal, Adenomyoma of, septum, 272
Rectum, Ether-oil anæsthesia by, 115; Adenomyoma of, 239; Diagnostic significance of bleeding from, 432; Cancer of, 433; Carcinoma of, excision; transplantation of sigmoid into perineum; technique of operation, 433
Rectus, Suppurative otitis media with paralysis of external, 184
Re-education of disabled soldier, 547
Regeneration, Studies in bone, 360
Renal, Caution in surgery of suspected, and ureteric calculus, 77; Indicanæmia; a symptom of, insufficiency, 80; Chronic, tuberculosis, 176; Differential diagnosis of right, and gall-bladder lithiasis, 240; Experimental nephropathy in dog; lesions produced by injection of bacillus bronchisepticus into, artery, 262; misplacement; renal hæmaturia and renal injection, 277; Comparative influence of morphine and total opium alkaloids on, colic, 378; Three unusual cases of, tuberculosis, 477; infection, 477; Lithiasis with bilateral, involvement, 558; and ureteral conditions in women, 561; Tests for measurement of, efficiency in relation to prognosis in nephritis, 562; function tests and pyelography in kidney diagnosis, 564
Reparatory surgery of genito-urinary organs, 382
Reproductive, Effect of alcohol on, tissues, 453
Researches, Clinical and radioscopic, on remote sequelæ of pleural effusions, traumatic or spontaneous, 324; Statistical, on 483 cases of scoliosis, 448
Resecting, Method of, transverse colon, 16
Resection, Intussusception in an infant, recovery, 129; Prevention of ankylosis after elbow, by immediate mobilization, 139; Traumatic, of hip for war wounds, 139; Value of total tibiotarsal, in fractures of lower part of leg, 250; Functional results in war articular, 267; Late secondary, of right shoulder; reproduction of 10 cm. of bone, 344; Deviation of septum and submucous, 385
Restoration of facial mutilations by strips taken from frontal region, 316
Results, of further study in leg rotation, 145; Functional, of fractures, 248
Retrodisplacement, Choice of operation for, 167
Retroversion, Simple operation for, of uterus, 469
Rheumatoid, Treatment of, arthritis of hypertrophic type, 348
Rhinoplasty and nasal prosthetics, 412
Roentgen, Malignant diseases of throat and sinuses; cases treated by radium and, rays, 58; observations of pituitary region in intracranial lesions, 227; diagnosis of concurrent gastric and duodenal ulcer, 236; ray in diagnosis of pneumonia, pleural diseases, and pulmonary tumors, 264; New type of rotary mesh filter for use in deep, therapy with special reference to vesical neoplasms, 266; Morphologic appearance of cancer clinically cured by radium and, ray, 361; Pre-operative reduction of epithelioma by, rays or radium, 361; ray in diagnosis of gastro-intestinal disease, 362
Roentgenograms, Stereoscopic, of head, 58; Comparison between clinical examination and, in diseases of chest, 123; Diagnosis of age of fœtus by use of, 370
Roentgenographic, Uniform standardization of, technique, 163; examination of urinary tract, 376
Roentgenologic diagnosis of primary carcinoma of lung, 424
Roentgenology, in medicine and surgery, 264; Value of, in head injuries, 265

Roentgenotherapy, of peripheral tuberculous adenopathy, 59; Possibilities and limitations of, in malignant disease, 265
Rotation, Results of further study in leg, 145
Rupture, of left bronchus from trachea, 26; Traumatic, of spleen; splenectomy; recovery, 242; Causes and surgical aspect of, of uterus during labor, 275; Cæsarean section complicated by, of uterus, 372

SACRAL, Anatomical and experimental study of, anæsthesia, 314
Sacro-iliac, joints in obstetrics and gynecology, 251; Movements of, joints, 445
Salivary, So-called mixed tumors of, glands, 418
Salpingitis, New treatment of acute, 168
Salvarsan, Causes of reaction after, 51
Sarcoma, Metastatic spinal ganglion, with induced ascending paralysis, 45; of corpus uteri, 66; of nasal septum; laryngo-epiglottidean cyst, 186; Nasal, cured by radium, 485; Unusually large, of testicle, 566; of right optic nerve, 569
Sarcomata, Cultivation in vitro of spindle-celled, 451
Sarcomatous, Loss of power to produce, transformation in stroma, 162; Uterine fibroids with reference to tendency to become, 468
Scars, Use of relaxation incision in dealing with extensive unstable, 451
Schauta-Wertheim, Pregnancy at term after, operation, 74
Scleral, Researches on histologic evolution of aseptic, resection, 283
Scoliosis, Treatment of, 147; Statistical researches on 483 cases of, 448
Secretion, Internal, 255
Section, Description of simple method of performing extraperitoneal cæsarean, 172
Secundines, Retained, study of etiological factors, 552
Semilunar cartilage; fracture-dislocation and fragmentation, 38
Seminal, Surgical treatment of, vesiculitis, 181
Senility, Study of kidney function in, 562
Septic, Treatment of, abortion, 372
Septicæmia, Treatment of staphylococcus, by transfusion of immune blood, 261; Meningococcic, without meningitis, 512; Puerperal, successfully treated with intravenous injections of collosol argentum, 556
Septum, New method of dealing with nasal, 186; Adenomyoma of rectovaginal, 272; Operations on nasal sinuses carried out through temporary opening in, 286; Nasal, deformity in children, 386; Deviation of, and submucous resection, 385
Sequestra, Persistence of bacteria within, 245
Serotherapy, Tetanus and, 52
Serum, More delicate Wassermann reaction depending on use of increased quantities of blood, 154; Retraction of blood-clots with two methods for securing large yield of, 154; Specific, therapy of epidemic poliomyelitis; report of 159 cases treated with antipoliomyelitic horse serum, 155; changes following protein shock therapy, 454; Modified Wassermann technique based on rapid fixation of complement present in human, 454; New specific, reaction for diagnosis of pregnancy, 471
Sexual, Transplantation of thymus in rabbits; relation of thymus to, maturity, 162
Shock, Surgical, 48; condition as seen in war surgery, 48; Low blood-pressure associated with peptone, and experimental fat embolism, 51; at front, 60; Experimental, 151; Treatment of, by intravenous injections, 152; Intravenous glucose injections in, 152; Hemiplegic form of direct, of cervical cord with lesion of eleventh cranial pair, 165; Nervous, 255; Experimental study of surgical, 356; Microscopic examination of brains of two men dead of commotio cerebri; shell, without visible external injury, 364; Toxic phenomena in peritonitis and, 426; Treatment of untransportable wounded in state of, 451; Serum changes following protein, therapy, 454; Treatment of surgical, 538; Study of, in severely wounded, 539
Shoulder, Stiff and lame, 39; High amputation of, 42; Late secondary resection of right, reproduction of 10 cm. of bone, 344; Birth injuries of, 440; Recurrent or habitual dislocation of, 440
Sigmoid, Carcinoma of rectum; excision; transplantation of, into perineum; technique of operation, 433
Sign, Importance of left axillary adenopathy as diagnostic, of abdominal neoplasms, 133
Sinus, Syndrome of superior petrous, in case of dry jugulo-carotid shell wound, 21; Carcinoma of maxillary, 22; Intranasal drainage of frontal, 185; Pilonidal, 255; Lateral, thrombosis, 316; Verumontanum with special reference to, pocularis; its anatomy, histology, and physiology, 380; Malignant papilloma of nose and right maxillary, 385; Congenital paramedial, of lower lip, 485; Treatment of suppuration of accessory, of nose, 485
Sinusitis, Diagnosis and treatment of, in infants, 185
Situs inversus, Left-sided appendicitis in, viscerum totalis, 525
Skeletal radiography as aid to diagnosis of obscure syphilis, 458
Skull, Fractures of base of, 118; Value of eye-ground observations in recent cases of fracture of, 222; Repair of, defects, 223; Fractured, 317; Wounds of, and brain, 412; Electric burn causing necrosis of, 509; Fractures of, 509
Soap, Treatment of wounds by solution of, in casualty clearing station, 267
Soldiers, Treatment of nerve, muscle, and joint injuries in, by physical means, 363; Re-education of disabled, 547
Solution, McDonald, 504
Spina bifida, Operation and result in case of, 149; its operative treatment, 446
Spindle-celled, Cultivation in vitro of, sarcomata, 451
Spinal, Gunshot injuries of, cord, 44, 45; Injury of, cord, 149; Relation of, cord to spontaneous liberation of epinephrin from adrenals, 257; Vibrating sensation in differential diagnosis of affections of, cord and peripheral nerves, 536
Spine, Treatment of deformities of, caused by poliomyelitis; report of 8 cases in which fusion operations were performed, 43; Treatment of tuberculosis of, 148; Simplified technique in laminectomy with description of combined laminectomy and, fixation by bone transplant, 150; Bone-graft in tuberculous disease of, 350; Fractures of, with cord and root symptoms, 447
Spleen, Myeloma with metastasis to liver and, 47; Relation of, to certain obscure clinical phenomena, 133; Traumatic rupture of, splenectomy; recovery, 242; Death from rupture of, 25 days after abdominal injuries and apparent recovery, 243; Relation of, to blood destruction and regeneration and to hæmolytic jaundice; influence of splenectomy and of blood disintegration upon production of bile pigment, 339; Diagnosis of infarction of entire, 526; War wounds of, 527; Acute tuberculosis; polycythæmia with enlarged, Vaquez's disease, 527
Splenectomy, Acholuric jaundice treated by, 36; in pernicious anæmia, 36; exerts no appreciable influence upon immunity against transplanted tumors, 133; Traumatic rupture of spleen, recovery, 242; Treatment of pernicious anæmia by transfusion and, 357

Splenic, Changes in peripheral blood consequent upon diversion of, blood into general circulation, 436; Pathological study of, anæmia, 454
Splenomegaly, Case of, treated by splenectomy, with report on condition of blood and spleen, 437
Splint for treatment of gunshot wounds involving shoulder-joint, 116; Adaptation of Thomas and Jones, to obtain fixation of arm in abducted position while patient is ambulatory, 116; Thigh stump extension, 508
Spondylosis, Two cases of, 535
Sprains, Fracture, 146
Stasis, Effect of intestinal, on eye, especially in iritis, 570
Statistics, Need of standardizing, of child-caring institutions, foundling asylums, etc., 460
Status, Cause of sudden death in, lymphaticus, 453
Stenosis, Hyperplastic pyloric, 128; Pyloric, in infancy, 237
Stomach, Operative treatment of hour-glass, 128; Extent of tissue to be excised for radical removal of carcinoma of, 128; Tuberculosis of, with report of case of multiple tuberculous ulcers, 236; Studies in fractional estimations of, contents, 328; Right-sided position of, in inflammatory conditions in ileocæcal region, 333
Stones, in urinary tract, 77; Dumb-bell, in diverticulum of urinary bladder, 479
Strangulated pulmonary hernia, 425
Streptococci, Effect of injections of hæmolytic, on susceptible and insusceptible animals, 543
Stricture, Cardiospasm resembling malignant, of œsophagus, 28; of gall-bladder, 434; Two cases of inflammatory, of right ureter due to pelvic abscess following ureterotomy of left ureter, 479
Stumps, Functional state of, in war patients amputated in 1914–1915, 346
Subclavian, Ligature of innominate artery for cure of, aneurism, 262
Submucous, Deviation of septum and, resection, 385
Suboccipital puncture, 220
Superfœtation, Case of, 373
Suppurations, Chronic bone, 244
Suppurative, Acute, destruction of upper femoral epiphysis; so-called epiphysitis, 147
Suprapubic, Benign hypertrophy of prostate and its treatment by, prostatectomy, 82; Results of, prostatectomy, 482; Systematic closure of, wound. in prostatectomy, 482; prostatectomy, 566
Surgeon, Observations by junior, in France, 63
Surgery, next door to front, 61, 62; Study of cardiac, 126; Infantile, 153; of X-ray lesions, 164; Conservative, of feet, 250; of nerve-trunks, 254; Urinary, of war, 268; Use of nitrous oxide and oxygen with rebreathing in military, 268; Unsettled problems in, 356; Present methods in military, 364; Application of military, to civil practice, 460
Surgical, post on firing line, 65; Mobile, unit, 164; Experimental study of, shock, 356; Postoperative treatment of, cases, 403; Reports of Interallied, Conference for study of war wounds, 461; Recognition of, kidney, 478; notes from Western front during the summer fighting of 1917, 546
Suture, Immediate, of nerves, 254; Primary, of war wounds, 314; Tendon, 345; Treatment of gunshot wounds with solution of soap and water and primary, 404; Color fixation of tissues and primary, 406; Primary, of craniocerebral gunshot wounds, 415
Sutured, Thirty cases of complicated fractures primarily, 138
Sympathectomy, Results of peri-arterial, in treatment of post-traumatic reflex nerve troubles of Babinski-Froment type, 55; Peri-arterial, and results, 258
Symptomatology of peptic ulcer, 428
Synctioma malignum; review of literature and report of case, 66
Syndrome, Traumatic lesions of hypophysis; adiposegenital, and diabetes insipidus, 226; Interesting pontine, 416
Synostoses, Rebellious thoracic fistulæ due to, 26
Synovitis, Right gonarothrotomy for purulent fibrinous, in woman 72 years of age; recovery, 41; Hypertrophic villous, of knee-joint, 438
Syphilis, Bruck's serochemical test for, report of 400 cases compared with Wassermann reaction, 53; of joints, 136; of bladder, 180; in etiology of gastric and duodenal ulcer, 237; Acquired, of pancreas, 242; and malignancy, 453; Skeletal radiography as aid to diagnosis of obscure, 458; and the war, 544; as cause of stillbirths; analysis of 48 stillbirths occurring in 1,500 obstetric cases at University of Michigan Maternity Hospital, 555
Syphilitic joint disease simulating tuberculosis, 528

TABES, Coincident pregnancy and, dorsalis, 73; Prostatic hypertrophy with, 82
Talipes equinovarus, 252
Technique, Abdominal cæsarean section; indications, 70; for radical cautery in breast cancer, 123; Simplified, in laminectomy with description of combined laminectomy and spine fixation by bone transplant, 150; Uniform standardization of roentgenographic, 163; Modifications in operative, for acute mastoiditis, 284; New, for radical treatment of umbilical hernia in the adult, 328; of cæsarean section, 372; Carcinoma of rectum; incision; transplantation of sigmoid into perineum, of operation, 433; Modified Wassermann, based on rapid fixation of complement present in human serum, 454
Temperature as valuable guide to diagnosis; prognosis and surgical treatment in craniocerebral traumatisms, 118
Tendo- and neuroplasty, 251
Tendon, Cavernous angioma of, of abdominal superior oblique muscle, 29; transplantation for relief of paralysis following anterior poliomyelitis, 148; suture, 345; New method of tubulizing, when used as free transplant, 345; operations for gunshot injuries of hand, 345; Reconstruction of synovial, sheaths by grafts of internal saphenous vein, 443
Teratoma, Pulmonary, 424
Terminalis, Peripheral distribution of nervus, in infant, 356
Testicle, Tumor in ectopic, 481; Large sarcoma of, 566
Tests, Equilibrium, for aviation recruits, 63; for estimating functional efficiency of kidneys, 80; Results obtained with phenolsulphonephthalein, in functional diagnosis of kidney diseases, 178; Complement fixation, for tuberculosis, 357; Practical value of complement fixation, for gonorrhœa, 540; Some observations on Bárány, as applied to aviators, 570
Tetanus, and serotherapy, 52; Recurrent, of war wounds, 457
Tetany and parathyroid glands, 539
Therapy, New type of rotary mesh filter in deep roentgen, with special reference to vesical neoplasms, 266
Thigh, Early treatment of gunshot fractures of, 40; stump extension splint, 508
Thomas, Adaptation of, and Jones splints to obtain fixation of arm in abducted position while patient is ambulatory, 116
Thoracic, Treatment of penetrating, wounds, 422; Rebellious, fistulæ due to synostoses, 26; X-ray in, war surgery, 263; Traumatic injuries to, duct, 324

Thoracotomy, Immediate, for thoraco-abdominal wounds, 124
Thorax, Empyema of, 124; Wounds of, in war, 516
Throat, Clinical lecture on some nose and, diseases of childhood, 185; Causes of cancer of, 186
Thrombo-angiitis, Rôle of minor surgical procedures in development of, obliterans, 529
Thrombosis, Lateral sinus, 316; Treatment of, 455
Thymus, Clinical symptoms and treatment of hypertrophy of, gland, 26; Transplantation of, in rabbits; relation of thymus to sexual maturity, 162; Adult, and its two types of dysfunction, 230
Thyroid, Oration in surgery; observations on, 24; Carcinoma of lateral aberrant, 320
Tibia, Transplantation of, for nasal deformity, 286
Tibiotarsal, Value of total, resection in fractures of lower part of leg, 250
Tissues, Color fixation of, and suture, 406; Effect of pancreatectomy on catalase content of, 436; Solvent action of antiseptics on necrotic, 505
Toe, Hammer-, 146
Tongue, Tuberculoma of, 187; Case of primary tubercular ulcer of, 287
Tonsillar, Systemic conditions as result of, infections, 485
Tonsillectomy, Control of bleeding in, 186; indications and observations on operation, 287; Tension in normal eyes before and after, 483
Tonsils, Susceptibility to infection manifested by remains of incompletely removed, 87; Probable cause of fatalities at, adenoid operation, 286
Torsion and inflammation of appendices epiploicæ, 130
Tourniquet, Pneumatic, for amputations and other purposes, 117
Toxæmia, Symptoms, prophylaxis and treatment of, of pregnancy, 371; Intestinal, of high obstruction, 524; of pregnancy, 552
Toxic phenomena in peritonitis and shock, 426
Trachea, Rupture of left bronchus from, 26
Tracheal displacement and compression in intrathoracic disease, 230
Transfusion, Hæmatologic indications for immediate, following injury, 157; Treatment of secondary anæmia in infants by blood, 157; Post-, reactions, 260; Selection of donor for, 260; and injection of blood in various diseases of infancy and childhood, 261; Treatment of staphylococcus septicæmia by, of immune blood, 261; New cases of, of citrated blood, 261; Treatment of pernicious anæmia especially by, and splenectomy, 357; Results of blood, in war surgery, 358; Treatment of secondary anæmia in infants by blood, 454; Simple and rapid method for selection of suitable donors for, by determination of blood groups, 455; and unmodified blood, 356; Blood, in emergency surgery; sodium citrate; indirect method, 542; of blood by direct method with observations covering an experience with over 40 transfusion operations, 542
Transplantation, Depressed nasal deformities corrected by bone, 21; Methods and results of, of bone in repair of defects caused by injury or disease, 143; Tendon, for relief of paralysis following anterior poliomyelitis, 148; of thymus in rabbits; relation of thymus to sexual maturity, 162; of tibia for nasal deformity, 286; Studies in, of whole organs; autotransplant of left kidney to neck with right nephrectomy in dog, 544
Transplants, of strips of striated muscle, 42; New method of tubulizing tendon when used as free, 345
Transudates, Chemistry of, and exudates with their non-protein nitrogenous constituents, 540
Trauma, Osseous neoformation consecutive to multiple and repeated contusive, 245; Birth, 375; Aids in treatment of head, 410
Traumatisms, Temperature as valuable guide to diagnosis, prognosis and surgical treatment in craniocerebral, 118
Trench, Treatment of, foot and allied conditions by Bier's method of passive hyperæmia, 145; Eye changes in, nephritis, 569
Trepanation in cases of gunshot injury of cranial vault, 119; End-results of, for war injuries, 318
Tubal, Double recurrent and bilateral, pregnancies; analysis of 89 cases reported and 3 unpublished personal cases, 471
Tube, Unilateral defects of, and ovary; study in prenatal pathology, 470
Tubercle, Significance of ureteral, bacilluria, 81
Tubercular, Case of primary, ulcer of tongue, 287
Tuberculoma of tongue, 187
Tuberculomata of dura mater, 224
Tuberculosis, Differential diagnosis of abdominal, 36; Degeneration of leucocytes in urine as diagnostic aid in, of urinary tract in women, 81; Operative treatment of, of knee-joint in adults, 141; Treatment of, of spine, 148; Chronic renal, 176; Experiences in operative treatment of, 231; of stomach; with report of case of multiple tuberculous ulcers, 236; Complement fixation test for, 357; of appendix, 431; Three unusual cases of renal, 477; Acute, polycythæmia with enlarged spleen; Vaquez's disease, 527; Syphilitic joint disease simulating, 528; Pregnancy and pulmonary, with report of 103 cases, 553; Pregnancy in, of lungs, 554; Preliminary report of study of genito-urinary tract in 600 cases of pulmonary, 567; of kidney, 560
Tuberculous, peritonitis, 29, 30; Roentgenotherapy of peripheral, adenopathy, 59; Bone graft in, disease of spine, 350; Non-, infections of kidney, 560
Tubes, Conservative surgery of fallopian, 168
Tubo-ovarian infection, 272
Tumors, Modern treatment of bladder, 82; Benign, of breast, chronic inflammations and carcinoma, 123; Splenectomy exerts no appreciable influence upon immunity against transplanted, 133; Infundibular syndrome in, of third ventricle, 225; Roentgen ray in diagnosis of pneumonia, pleural diseases, and pulmonary, 264; Results of treatment of bladder, 279; Fibroid, of vulva, 368; of bladder, 378; So-called mixed, of salivary glands, 418; Clinical and anatomopathological note on rare uterine, 468; in ectopic testicle, 481; Ocular symptoms of brain, 511; An intramedullar, successfully removed, 511; Treatment of hypophyseal, 513; Histological study on heterologous, grafts, 537; of kidneys, 558
Tunica, Rupture of, vaginalis in hydrocele, 181
Twilight sleep in childbirth, 374, 473
Tyramin as adjunct to morphine in labor, 75

ULCER, Causes of recurrent symptoms after operation for gastric and duodenal, 31; Perforated gastric and duodenal, 31, 129; Roentgen diagnosis of concurrent gastric and duodenal, 236; Tuberculosis of stomach with report of case of multiple tuberculous, 236; Syphilis in etiology of gastric and duodenal, 237; Primary tubercular, of tongue, 287; X-ray in peptic, 330; Peptic, 330, 428; Gastric and duodenal, from surgical point of view, 428; Blood in stools in duodenal, 430; Helpful diagnostic sign in ruptured digestive, 523; Rare type of bladder, further notes with report of 18 cases, 564

Ulnar, Redisposition of, nerve, 448
Umbilical, New technique for radical treatment of, hernia in adult, 328
Umbilicus, Carcinoma of, 30
Union, Primary and secondary, of war wounds, 405
Unit, Mobile surgical, 164
United States, Medical service in, army, 460
Urachus, Case of patent, with abscess complicating hypertrophied prostate, 565
Urea, Ratio between, content of urine and of blood after administration of large quantities of urea, 376
Ureter, Diagnosis of surgical lesions of kidney and, 79; Gunshot wounds of kidney and, as seen at base, 177; Obstruction of, 378; Two cases of inflammatory stricture of right, due to pelvic abscess following ureterotomy of left ureter, 479
Ureteral, Spontaneous closure of, fistula consecutive to gynecological interventions, 68; Significance of, tubercle bacilluria, 81; calculus; removal by intra-ureteral injections of oil, 178; Renal and, conditions in women, 460
Ureteric, Caution in surgery of suspected renal and, calculus, 77
Ureterocystostomy, Obstetrical vesicovaginal fistula and ureterovaginal fistula; radical treatment by, 368
Urethra, Unusual affections involving deep, and bladder, 82; Diagnosis and treatment of pathological conditions in anterior, through urethroscope, 566
Urethral, Autoplastic reconstruction of large, loss of substance and of extensive wound of penis with partial destruction of glans, 379; Treatment of bladder and, wounds and kidney and ureter wounds at front and at base, 480
Urethrorectal, Operative treatment of, fistula; method of radical cure, 280
Urethroscope, Diagnosis and treatment of pathological conditions in anterior urethra through the, 566
Urethrovesical, Traumatic dislocation of pubic symphysis with important diastases without, lesions, 343
Urinary, Stones in, tract, 77; Mechanical aids in diagnosis of upper, tract, 182; surgery of war, 268; Clinical diagnosis of lithiasis of upper, tract, 277; Carcinoma of prostate; improved technique for radical excision with preservation of, control, 281; Roentgenographic examinations of, tract, 376; Dumb-bell stone in diverticulum of, bladder, 479; Ascending, infections, 561; Diagnosis of, lithiasis, 567
Urination, Etiology and treatment of frequency of, in women, 170
Urine, Degeneration of leucocytes in, as diagnostic aid in tuberculosis of urinary tract in women, 81; Biochemical investigations on blood and, their bearing on experimental and clinical medicine, 257; Ratio between urea content of, and of blood after administration of large quantities of urea, 376; Prognostic reaction of, 452
Urological diagnosis in general practice, 176
Uteri, Sarcoma of corpus, 66; Histologic study of 50, removed at cæsarean section, 274; Prolapsus, and treatment, 469; Fibrosis, 548
Uterine, Control of, hæmorrhage, 66; Treatment of, ruptures during labor by Boreo method, 74; Clinical observations on, carcinoma treated by radium, 264; fibroids; their diagnosis, complications, and treatment, 366; Cystocele, prolapse, retroflexion and rectocele repaired by plastic operation upon broad ligaments and vagina; fixation of round ligaments and advancement of anterior vaginal wall; perineorrhaphy, 369; fibroids with reference to tendency to become sarcomatous, 468; myomata, 468; Results of radium application in, cancer, 468; Clinical and anatomopathological note on rare, tumor, 468; rupture following anterior hysterotomy, 469; crying, 555
Uterus, New operation for prolapse of, 167; Causes and surgical aspect of rupture of, during labor, 275; Development and perfection of interposition operation for prolapse of, and bladder, 367; Cæsarean section complicated by rupture of, 372; Simple operation for retroversion of, 469; Should, be removed when it becomes imperative to interrupt pregnancy, 554

VACCINES, Prophylactic use of, in great war, 156
Vacuum, Aspiration or, suction apparatus, 315
Vagina, Cæsarean section for congenital partial occlusion of, 70
Vaginalis, Rupture of tunica, in hydrocele, 181
Vaquez's, Acute tuberculosis; polycythæmia with enlarged spleen, disease, 527
Varicose veins of leg, 158
Vascular, Treatment of, wounds at front, 54, 55; Wide exposure of, trunks in buttock region, 457
Veins, Varicose, of leg, 158; Ligation or excision of pelvic, in treatment of puerperal pyæmia, 169; Reconstruction of synovial tendon sheaths by grafts of internal saphenous, 443
Ventricle, Infundibular syndrome in case of tumor of third, 225; Extraction of fragment of shell from anterior wall of right, 232
Version with report of 200 additional cases since September, 1916, 555
Vertebræ, Contribution to defects in differentiation of, especially of fifth lumbar, 536
Vertebral, Hydatid cyst of, column, 149
Verumontanum with special reference to sinus pocularis; its anatomy, histology, and physiology, 380
Vesical neoplasm, 81; calculus, 178; New type of rotary mesh filter in deep roentgen therapy with reference to, neoplasms, 266; Large, calculus, 280; diverticulum with remarks on operative technique, 379; orifice following perineal prostatectomy, 380
Vesicovaginal fistula and calculous cystitis, 68
Vesiculitis, Surgical treatment of seminal, 181
Vessels, Dry wounds of large, 258; Experimental regional obliteration of cerebral, 320
Visceral, Intra-, and intra-abdominal pressure, 37
Viscosity of blood in experimental anæmia, 157
Vision, Total loss of, in one eye and partial loss in the other completely relieved by sellar decompression operation, 222; Aneurism of internal carotid artery and its effect upon, 283
Vitreous, Fragments of bony tissue in, body, 85
Vitro, Cultivation in, of spindle-celled sarcomata, 451
Volkmann's, Contribution to, contracture, 443
Vulva, Fibroid tumors of, 368
Vulvovaginal, Intense, pruritis treated by resection of perineal nerves, 369

WAR, Dichloramin-T in treatment of wounds of, 19; injuries of jaws, 21; Shock; condition as seen in, surgery, 48; What European, has taught in treatment of wounds, 111; Facial paralysis consecutive to, wounds, 117; Lumbar puncture in, surgery, 121; Fistulous osteitis consecutive to, wounds, 137; Traumatic resection of hip for, wounds, 139; Arthrotomy of knee in, surgery; with special reference to new method, 140; Equinism consecutive to, wounds, 143; Prophylactic use of vaccines in great, 156; Place of orthopedic surgery in, 165; Wounds of eye in, 183; Treatment of infected, especially, wounds, 215;

Treatment of recently inflicted, wounds with flavine, 216; Treatment of, wounds of soft parts, 221; Peritoneum in, surgery, 233; Abdominal wounds in, 243; Decalcification consecutive to, traumatisms, 244; Wounds of foot and instep by, projectiles, 249; Use of liquid paraffin in treatment of, wounds, 255; Gravity of arterial lesions of lower limb in, wounds, 259; X-ray in thoracic, surgery; special reference to localization and extraction of foreign bodies, 263; Functional results in, articular resections from 1914–1916, 267; Disabilities of, 267; Employment of adrenalin serum in, surgery, 267; Urinary surgery of, 268; injuries of ear, 284; Primary suture of, wounds, 314; Cranial gunshot wounds in, surgery, 317; End-results of trepanations for, injuries, 318; Appendicitis in, 334; Functional state of stumps in, patients amputated in 1914–1915, 346; Results of blood transfusion in, surgery, 358; Primary and secondary union of, wounds, 405; wounds of head, 409; wounds of lung, 423; Orthopedic and functional results of conservative operations in, wounds of knee, 438; Recurrent tetanus of, wounds, 457; Some accomplishments of Italian medical men in, 460; Some aspects of treatment of infected, wounds, 464; amenorrhœa in Germany due to denutrition, 469; Treatment of infected suppurating, wounds, 507; Treatment of, wounds of limbs in territorial hospital, 507; surgery of chest, 514; Wounds of thorax in, 516; injuries of lung, 519; wounds of spleen, 527; Osteosynthesis in, surgery, 533; Progress of cicatrization of, wounds, 538; Syphilis and, 544; Closure of, wounds in base hospitals, 545; Lessons taught by, in treatment of gunshot injuries, 546; hospitals in United States, 546; Proper organization of medical profession of nation at, 547

Warfare, Treatment of fractures in, 531; Treatment of wounds of knee-joint from projectiles in, 532

Wassermann, Bruck's serochemical test for syphilis; report of 400 cases compared with, reaction, 53; More delicate, reaction depending on use of increased quantities of blood serum, 154; Modified, technique based on rapid fixation of complement present in human serum, 454

Wertheim, Pregnancy at term after the Schauta-, operation, 74

Wounded, Traumatic obliteration of limb arteries; nervous ischæmia in, 262; Treatment of untransportable, in state of shock, 451; Shock in severely, 539

Wounds of chest, Results of treatment of, 25; Early treatment of septic pleural effusions consecutive to, 26; Treatment of penetrating, at the front, 126; Surgical treatment of severe penetrating, in casualty clearing station, 228; Later history of cases of gunshot, with retained missiles, 229; Penetrating gunshot, and their treatment, 322; Early operative treatment of penetrating, 323; Gunshot, 419; as seen at advanced operating center, 421; Treatment of penetrating thoracic, 422; Functional disturbances attributable to lesion of cardiac plexus and mediastinal nerves in, 423; Treatment of, with special reference to infected hæmothorax, 515; of thorax in war, 516

Wounds of head, 409; Open-flap method of treating perforating brain, 22; Facial paralysis consecutive to war, 117; Deep abscesses of brain secondary to cranial, 119; Open and closed treatment of gunshot brain, 121; of eye in war, 183; of external auditory canal, 283; Cranial, 317; Cranial gunshot, in war surgery, 317; Ether narcosis in cerebral, 320; Shell, of face; repair operations, 411; of skull and brain, 412; Treatment of, involving mucous membrane of mouth and nose, 412; Cicatrization of cranial, from surgical viewpoint, 414; Primary suture of craniocerebral gunshot, 415; Elderwood drains for cerebral, 416; Suggestions toward systematic operative treatment of gunshot, of mandible, 486; Inter-relation between radiography and surgery of gunshot, 508; Penetrating, of brain, 510

Wounds of knee, Gunshot, 39; Infected, treatment and results, 134; Penetrating gunshot, 340; Orthopedic and functional results of conservative operations in war, 438; joint, 438; Treatment of, joint from projectiles in warfare, 532

Wounds, Carrel treatment of, applied to civil practice, 17; Method of applying antiseptics to deeper parts of, 18; Dichloramin-T in treatment of, of war, 19; Treatment of, infected with bacillus pyocyaneus, 19; Syndrome of superior petrous sinus in dry jugulocarotid shell, 21; Study and treatment of gunshot, of limbs, 41; Gunshot, of peripheral nerves, 45; Treatment of vascular, at the front, 54, 55; Outbreak of diphtheric, infection among returned soldiers, 60; Prompt removal of foreign bodies in gunshot, 63; What European war has taught in treatment of, 111; Carrel method of treating, 112; Use of bacillus lactis bulgaricus in treatment of infected, 114; Dichloramin-T in treatment of infected, 114; Splint for treatment of gunshot, involving shoulder-joint, 116; Immediate thoracotomy for thoracoabdominal, 124; Unusual complication of laparotomy for gunshot, 133; Fistulous osteitis consecutive to war, 137; Traumatic resection of hip for war, 139; Equinism consecutive to war, 143; Arterial, without external hæmorrhage and their surgical treatment, 158; infections; growth of anaerobic bacilli in fluid media under apparently aerobic conditions, 159; Gunshot, of kidney and ureter as seen at the base, 177; Bladder, 179; treatment by brilliant green paste, 215; Treatment of infected especially war, 215; Treatment of recently inflicted war, with flavine, 216; Treatment of war, of soft parts, 221; of cervical region, 227; Abdominal, in war, 243; Clinical and therapeutic study of late bone infections consecutive to gunshot, 245; Gunshot, of joints; pathology and treatment, 248; of foot and instep by war projectiles, 249; Gunshot, of peripheral nerves and their surgical treatment, 253; Use of liquid paraffin in treatment of war, 255; Dry, of large vessels, 258; Gravity of arterial lesions of lower limb in war, 259; Treatment of, by solution of soap in casualty clearing station, 267; Carrel-Dakin treatment of, 313; Primary suture of war, 314; Treatment of hip, 340; X-ray detection of presence of cloth in, 355; Abortive treatment of infected, 364; Autoplastic reconstruction of large urethral loss of substance and of extensive, of penis with partial destruction of glans, 379; Treatment of large septic, by means of irrigation with capillary drainage, 404; Treatment of gunshot, with solution of soap and water and primary suture, 404; Primary and secondary union of war, 405; Bismuth iodoform petrolatum paste in treatment of recent, 405; Potassium permanganate in treatment of anaerobic infection of, 405; War, of lung, 423; Surgical treatment of lung, 424; Traumatic hernia of diaphragm proving fatal seven months after, 427; Gunshot, of femur, 439; Primary excision of gunshot, of elbow-joint, 443; Recurrent tetanus of war, 457; Reports of Interallied Surgical Conference for study of war, 461; Some aspects of treatment of infected war, 464; Treatment of bladder and urethral, and of kidney and ureter wounds at front and at base, 480; Suture of,

during a period of attack, 503; Infection of, 506; Treatment of, by flavine, 506; Treatment of war, of limbs in a territorial hospital, 507; Treatment of infected suppurating war, 507; Penetrating abdominal, 521; War, of spleen, 527; Myositis ossificans developing in clean incised abdominal, 258; Laws of cicatrization of cutaneous, 537; Progress of cicatrization of war, 538; of blood-vessels of limb, 542; Closure of war, in base hospitals, 545; Treatment in field of uncontrollable hæmorrhage in gunshot, 545

X-RAY, Surgery of, lesions, 164; Shrapnel balls; their, characteristics compared with bullets and other foreign bodies, 163; Four point survey of localization of foreign bodies without use of, plates, 164; in thoracic war surgery; special reference to localization and extraction of foreign bodies, 263; Value of, to patient, surgeon, and railroad in injuries where there is or could have been bone lesion, 362; in peptic ulcer, 330; detection of presence of cloth in wounds, 355; localization, 544

INDEX OF BIBLIOGRAPHY

GENERAL SURGERY

Surgical Technique

Operative Surgery and Technique, 88, 188, 288, 387, 487, 572
Aseptic and Antiseptic Surgery, 88, 188, 288, 387, 487, 572
Anæsthetics, 88, 188, 288, 387, 487, 572
General. Local. General subjects on anæsthetics
Surgical Instruments and Apparatus, 88, 188, 288, 388, 488, 573

Surgery of the Head and Neck

Head, 89, 189, 289, 388, 488, 573
Scalp. Skin. Nerves. Glands. Skull and Maxilla. Meninges. Brain, cerebrum, cerebellum, hypophysis
Neck, 90, 190, 290, 389, 489, 573
Skin. Glands. Muscles and blood-vessels. Bones. Thyroid: Goiter, Basedow's disease, Graves' disease. Parathyroid. Retropharyngeal conditions.

Surgery of the Chest

Chest Wall and Breast, 90, 190, 290, 389, 489, 574
Breast. Incisions, wounds, injuries, etc. Bones. Pleura. Mediastinum. Thymus.
Trachea and Lungs, 90, 191, 290, 390, 490, 574
Trachea. Bronchi. Lungs
Heart and Vascular System, 90, 191, 290, 390, 490, 574
Heart. Pericardium. Aorta
Pharynx and Œsophagus, 90, 191, 291, 390, 490, 575

Surgery of the Abdomen

Abdominal Wall and Peritoneum, 91, 191, 291, 390, 490, 575
Incisions and drainage. Tumors. Retro- and pro-peritoneal conditions. Peritoneum. Diaphragm. Hernia. Omentum. Mesentery. Urachus. Diverticula
Gastro-Intestinal Tract, 91, 191, 291, 390, 491, 575
Stomach and pylorus. Duodenum. Small intestines. Cæcum. Appendix. Colon. Rectum. Anus.
Secretions of, diagnosis, radiology, injuries, hæmorrhages, vomiting, inflammations, obstructions, hernia, ulcer, tumor, surgery, general therapy
Liver, Pancreas, and Spleen, 91, 192, 292, 391, 492, 576
Miscellaneous, 92, 193, 293, 392, 492, 576

Surgery of the Extremities

Diseases of Bones, Joints, Muscles, Tendons. General conditions commonly found in the extremities, 92, 193, 293, 392, 492, 577
Fractures and Dislocations, 92, 193, 293, 392, 493, 577
Surgery of the Bones, Joints, Etc., 93, 194, 293, 393, 493, 577
Orthopedics in General, 93, 194, 294, 393, 493, 578

Surgery of the Spinal Column and Cord

Diseases and Deformities of the Spine, 94, 195, 294, 394, 494, 578
Inflammations, tumors, fractures, surgery
Cord

Surgery of the Nervous System

Nervous System, 94, 195, 295, 394, 494, 579
Inflammations, tumors, surgery

Miscellaneous

Clinical Entities — Tumors, Ulcers, Abscesses, Etc., 94, 195, 295, 394, 494, 579
Tumors. Ulcers. Inflammations. Shock. Tissue transplantation. Surgical diseases
Sera, Vaccines, and Ferments, 95, 196, 296, 395, 495, 580
Serum. Vaccine. Ferments. Immunization. Anaphylaxis.
Blood, 95, 196, 296, 395, 495, 580
Blood picture in general. Hæmorrhage. Coagulation. Thrombosis. Embolism. Transfusion
Blood and Lymph Vessels, 95, 197, 296, 395, 496, 580
Aneurisms. Vessel suture and ligation. Lymph-vessels and glands
Poisons, 95, 197, 296, 396, 496, 581
Bacterial. Chemical.
Surgical Diagnosis, Pathology, and Therapeutics, 96, 197, 496, 581
Experimental Surgery and Surgical Anatomy, 197, 297, 396, 496, 581
Roentgenology, 96, 197, 297, 396, 496, 581
X-ray. Electrical treatment. Heliotherapy
Hospital, Medicolegal, and Medical Education, 97, 198, 297, 397, 497, 581
Military Surgery, 96, 197, 298, 397, 497, 581

GYNECOLOGY

Uterus, 97, 198, 298, 398, 498, 582
Tumors. Hæmorrhage. Inflammations. Malformations. Displacements. Injuries. Surgery
Adnexal and Periuterine Conditions, 97, 199, 299, 398, 498, 583
Ovaries. Tubes. Ligaments. Pelvic conditions in general
External Genitalia, 97, 199, 299, 398, 498, 583
Vagina. Vulva. Urethra. Clitoris
Miscellaneous, 97, 199, 299, 398, 498, 583

OBSTETRICS

Pregnancy and Its Complications, 98, 199, 299, 398, 498, 583
Pregnancy. Eclampsia and toxæmias. Cæsarean section. Abortion. Complications.
Labor and Its Complications, 98, 199, 299, 399, 499, 584
Contracted pelves. Abnormal presentations. Dystocia. Hæmorrhage. Surgical treatment
Puerperium and Its Complications, 98, 200, 299, 399, 499, 584
Diseases common to infections. Hæmorrhages.
Miscellaneous, 98, 200, 299, 399, 499, 584

GENITO-URINARY SURGERY

Kidney and Ureter, 99, 200, 300, 399, 500, 584
Trauma, calculi, displacement, malformation, hæmorrhage, tumors, inflammations, surgery, functional tests of

Bladder, Urethra, Penis, 99, 200, 300, 400, 500, 585
Trauma, calculi, displacement, malformation, hæmorrhage, tumors, inflammations, surgery

Genital Organs, 99, 201, 301, 400, 500, 585
Testicle. Epididymis. Spermatic cord. Prostate

Miscellaneous, 100, 201, 301, 400, 501, 585

SURGERY OF THE EYE AND EAR

Eye, 100, 201, 301, 401, 501, 586
Glaucoma. Trachoma. Cataract. Inflammations

Ear, 101, 201, 301, 401, 502, 586
Outer, middle, internal ear. Mastoids.

SURGERY OF THE NOSE, THROAT, AND MOUTH

Nose, Throat, and Mouth (oral surgery) 101, 202, 302, 401, 502, 586
Nose: external, internal
Throat: tonsils, adenoids, larynx, pharynx
Mouth: palate, cleft palate, teeth, tongue

INDEX OF AUTHORS

Abalos, J. B., 225
Abrand, H., 484
Abt, I. A., 33
Achard, H. P., 135
Achille, F., 134, 429
Acker, R. B., 63
Adams, J. E., 408
Addis, T., 376
Addison, W. H. F., 256
Adson, A. W., 446
Alamartine, H., 158
Albert, 121
Alcock, N. G., 564
Alcorta, R. H., 276
Allen, E. M., 73
Allport, F., 483
Alquier, P., 139
Amberg, S., 153
Ambrose, T., 347
Amorosi, P., 287
Anders, J. M., 56
Anderson, J., 228
Anderson, R. R., 66
Andrews, E. W., 119
Anton, 220
Apfel, H., 237
Arcelin, M., 513
Archibald, E. W., 48
Archibald, R. A., 357
Archibald, R. G., 437
Arkle, J. S., 215
Arlitt, A. H., 453
Arnold, I. A., 432
Ashhurst, A. P. C., 137, 440
Aub, J. C., 419
Aubourg, 63
Austin, J. H., 505
Aymard, J. L., 16, 184, 411
Ayres, D. R., 67

Babcock, H. L., 570
Bacigalupo, J., 224
Bainbridge, W. S., 472
Baird, R. W., 334
Baker, T., 381
Balfour, D. C., 329
Barány, 121
Barber, W. H., 429
Barbour, H. G., 75
Barnard, E. P., 75
Barnett, E. L., 43
Barnett, G. D., 24
Barragan, M., 482
Barré, I. A., 44
Barret, 63
Barrie, G., 134
Bartholomew, R. A., 555
Bartlett, C. J., 49, 454
Bashford, E. F., 113
Bates, H. T., 267
Battle, W. H., 524
Bauman, G. I., 148
Bayer, V., 340
Bayksen, 439
Bayliss, W. H., 152
Beach, W. M., 340
Beal, N. H., 566
Bec, 379
Beck, C., 251
Beck, H. M., 112
Beckman, E. H., 446
Beekman, F., 333
Beer, E., 81
Behrend, M., 526
Bell, W. B., 417
Bengolea, A. J., 328
Benham, F. R., 132
Bennett, A. K., 178
Bennett, N. G., 21
Berard, L., 26
Bernhard, A., 540
Bertino, A., 368
Bertolotti, 536
Bertrand, 130
Besley, F. A., 441
Bessesen, A. N., 469
Besta, C., 320
Bevan, A. D., 123
Bibb, R. H. L., 374
Bichelonne, H., 317
Bieberbach, W. D., 566
Billot, G., 545
Birdsall, J. C., 279
Black, H. R., 424
Black, S. O., 424
Blackfan, K. D., 415
Blackwell, H. B., 484
Blaine, E. S., 263
Blair, R. B., 44
Blanc, 45
Blanchard, W., 37
Bland, P. B., 174
Bland-Sutton, J., 360
Block, F. B., 71
Bloodgood, J. C., 522
Boas, I., 524
Bodenstab, W. H., 34
Bohan, P. T., 154
Boldt, H. J., 549
Bonnefon, G., 283
Borden, R. P., 546
Bouet-Henry, 312
Boyle, H. E. G., 268
Braasch, W. F., 182, 558
Brav, H. A., 335
Brickner, W. M., 246
Bristow, W. R., 444
Brocq, P., 325
Broders, A. C., 236
Brookover, C., 356
Brooks, B., 360
Brossy, J., 235
Brown, L. T., 347
Brown, R. C., 223
Brown, T. F., 267
Brown, W. L., 111
Browne, J. P., 280
Bucholz, C. H., 39
Buckner, H. T., 530
Buerger, L., 84, 477
Bugbee, H. G., 377
Bull, E. C., 141
Bullock, F. D., 133, 150, 537
Buquet, A., 262
Burge, W. E., 436, 569
Burger, T. O., 220
Burket, W. C., 436
Burkitt, E. H., 546
Burns, J. E., 476
Burton, F. A., 284
Butler, E., 20
Butt, J. W., 168
Byers, W. G. M., 484

Cahill, G. F., 343
Calderado, 483
Calderini, G., 66
Caldwell, E. W., 376
Caldwell, H., 374
Caliceti, P., 285
Campbell, J., 116, 422, 545
Campbell, R. A., 287
Campbell, W. C., 142
Campiche, P. S., 138
Canestro, C., 404
Carman, R. D., 236, 424
Carpi, U., 422
Carr, A. M., 483
Carstens, J. H., 549
Carter, H. S., 332
Carter, W. W., 418
Castano, A., 282
Castano, E., 476
Castellano, T., 133
Castex, M. R., 237
Cathelin, F., 268
Cavanaugh, J. A., 186
Cavina, G., 340
Cecil, A. B., 181
Celesia, A., 149
Chalier, A., 521
Chalmers, A. J., 118
Chapin, H. D., 123
Chaput, H., 42, 139
Chatelin, C. H., 412
Chatterton, C. C., 348, 535
Cherry, T. H., 172
Chetwood, C. H., 277
Chevrier, L., 254
Chome, E., 367
Christian, H. A., 562
Christopher, F., 525
Christopherson, J. B., 118
Churchman, J. W., 503
Cirio, C. R., 74
Clark, H. C., 341
Clarke, J. M., 45
Clarke, T., 406
Clogne, R., 159
Coffey, R. C., 37
Cohn, I., 247
Colcord, A. W., 161
Cole, L. G., 56, 240, 330
Cole, P. P., 412
Colebrook, L., 159
Collins, C. U., 167
Colston, J. A. C., 278
Combier, 26
Conkey, C. D., 511
Cook, F., 248
Corpechot, 341
Corwin, R. W., 266
Cosse, 85
Cotton, A., 28
Cotton, F. J., 41
Cotton, J. H., 20
Coues, W. P., 458
Courtney, J. W., 118
Courty, 317
Couvreur, A., 351
Coyle, E. G., 552
Craig, J. G., 228
Crohn, B. B., 328
Crosland, G. W. K., 372
Crotti, A., 450
Crowe, H. E., 52, 55
Crymble, P. T., 419
Cullen, T. S., 272
Culver, G. D., 361
Culver, H., 157
Cumberbatch, E. P., 252
Cumston, C. G., 26, 65, 172, 532
Cushing, H., 510
Cyriax, E. F., 445

Daguet, 324
Daignault, O., 523
Dakin, H. D., 114, 312
Dambrin, C., 223
Dandy, W. E., 415
Danforth, W. C., 173
Darnall, W. E., 372
Daudin-Clavaud, H., 117
David, V. C., 561
Davies, M., 245
Davis, A. B., 66
Davis, C. B., 433
Davis, C. H., 173
Davis, J. E., 552
Davis, J. S., 451
Deaver, J. B., 84, 330
Decusatis, H., 130
Dederer, C., 544
Defontaine, L., 332
De Gaudino, M. F., 555
De Grossi, E., 130
Delacroix, I. A. B., 171
Delagenière, H., 534
Delbet, P., 426
Delitala, F., 442
Delmas, I., 457
De Lord, 85
Delorme, E., 126, 244, 343
De Martel, T., 412

Dench, E. B., 86
De Neen, D. D., 426
Denis, W., 419
Dennis, W. A., 131
De Normandie, R. L., 474
De Page, A., 157
Derache, 119, 126
Derr, J. S., 28
De Sard, J., 382
Desmarres, R., 538
Desplats, R., 262
Dickson, F. D., 136
Dixon, R. G., 267
Dobson, J. F., 517
Donati, M., 542
D'Onofrio, M., 468
Donoghue, F. D., 59
Donoher, W. D., 383
Doubler, F. H., 226
Douglas, S. R., 159
Downes, W. A., 129
Dretzka, L. J., 509
Drew, D., 239
Drummond, H., 216
Duane, W., 57, 355
Dudley, D. G., 457
Duemling, H. A., 336
Dunet, C., 26
Dunham, E. K., 312
Dunhill, T. P., 321
Dunn, G. R., 504
Dupont, 267
Durocex, E., 351
Duval, P., 221, 423
Duvergey, I., 443
Dwyer, W., 186

Eastman, J. R., 243, 516
Ebright, E. D., 43
Ebright, G. E., 36
Echols, F. S., 314
Edgerton, N. B., 567
Eisendrath, D. N., 241, 439
Eisenstaedt, J. S., 84, 182
Elliott, B. L., 356
Elliott, T. R., 25
Elmer, W. G., 20
Elsberg, C. A., 318, 447
Else, J. E., 419
Emerson, F. P., 384
Emerson, M. L., 405
Emery, W. D., 154
Erdman, S., 427
Erlanger, J., 152, 356
Escande, F., 325
Esquerido, 468
Evans, W. A., 150
Everingham, S., 333

Fairbairn, J. H., 374
Fansler, W. A., 114, 566
Farrell, B. P., 120
Fay, O. J., 324
Federici, N., 41
Ferreri, G., 385
Ferrio, L., 512
Ferry, R. M., 260
Fey, B., 259
Fiddian, J. V., 117
Fiessinger, N., 159
Finney, J. M. T., 331
Finochietto, R., 447
Fiolle, J., 457, 527
Fisher, W. E., 508
Fitzgerald, J. G., 60
Fleming, J. S., 218
Fobes, J. H., 427
Foerster, O., 511
Folin, O., 257
Forman, J., 418
Forsell, G., 450
Fortuine, S. T., 260
Fottner, G. R., 437
Fowler, H. A., 180
Fowler, R. H., 139
Fowler, W. F., 218, 434
Fracassi, T., 119
Frantz, M. H., 147
Fredet, P., 232
Friedenwald, J., 28, 331
Fromaget, H., 283
Frontz, W. A., 381
Fullerton, A., 177
Funk, E. H., 348
Furniss, H. D., 561

Gaenslen, F. J., 150
Galloway, H. P. H., 142
Gamlen, H. E., 508
Ganguli, H. K., 243
Garcia, A., 78
Gardiner, J., 556
Garrow, R. P., 430
Gask, G. E., 322
Gasser, H. S., 356
Gatellier, I., 517, 539
Gauthier, L., 317
Geisinger, J. F., 378, 477
Gellhorn, G., 470
Gentili, A., 68
Geraghty, J. T., 279
Gesell, R., 356
Gibb, W. T., 565
Gibson, C. L., 112
Gibson, W. S., 328
Giffin, H. Z., 354
Gillette, A. J., 348, 535
Glassberg, J. A., 565
Gleason, E. B., 485
Glenard, R., 521
Goddard, H. M., 385
Goldstein, M. A., 186
Goldthwait, J. E., 165
Gomez, R. S., 67
Gonzalez, C., 149
Gonzalez, E., 178
Goodwin, H. C., 459
Goodwin, T. H., 62
Gosman, G. H. R., 535
Goto, K., 339
Gottlieb, I., 529
Gould, A. P., 311, 313
Govaerts, P., 157
Graefe, M., 469
Graham, E. A., 219
Graham, M. P., 29
Graves, S., 287, 418
Gray, B. F., 57
Gray, H. M. W., 255
Green, R. E., 558
Greenough, R. B., 57, 151
Grégoire, R., 55, 441
Grey, E. G., 338
Griffith, F. W., 470
Griffith, J. P. C., 434
Grober, 240
Gross, G., 314, 415
Groves, E. W. H., 143, 248
Guazon, P., 71
Guillain, G., 44
Guillot, M., 545
Gurd, F. B., 405
Guthrie, C. C., 151
Guthrie, D., 185, 271

Habhegger, C. J., 341
Hadengue, 379
Hagerty, J. F., 24
Haggard, H. W., 48
Hallé, N., 176
Haller, 137
Halstead, A. E., 147
Hamilton, J. A. G., 371
Hammes, E. M., 225
Hancock, T. H., 316
Harmer, T. W., 345
Harrar, J. A., 72, 473
Harrigan, A. H., 130
Harris, C. T., 317
Harris, M. L., 229
Harrison, A. C., 28
Hartman, F. W., 454
Hartwell, J. A., 33
Hassin, G. B., 512
Hathaway, F. J., 323
Hawkes, C. E., 440
Haycraft, J. B., 404
Hayen, L., 126
Hazen, H. H., 544
Heineck, A. P., 471
Heiser, V. G., 460
Heitz, J., 55
Henderson, E. L., 219
Henderson, M. S., 440, 445
Henderson, Y., 48
Hendon, G. A., 34
Hendrix, B. M., 114
Henninger, C. H., 350
Hernaman-Johnson, F., 523
Hertz, 26
Hess, J. H., 370
Hibbs, R. A., 43
Hill, R., 36
Hinman, F., 176
Hirst, B. C., 276, 472
Hoffman, G., 244
Holding, A. F., 56
Holland, C. T., 529
Holt, L. E., 22
Hooker, R. S., 261
Hopkins, J. G., 543
Houda, E. O., 164
Houdard, L., 415
Hovell, M., 285
Hoxie, G. H., 230
Hubeny, M. J., 362
Hughes, G. S., 421
Huhner, M., 566
Hull, A. J., 52, 127, 354, 506
Hunner, G. L., 564
Hunt, J. G., 22
Hunter, O., 504
Huntington, J. L., 472
Hutchinson, W., 515

Ichikawa, K., 451
Iglauer, S., 125
Ingals, E. F., 185
Ingebrigsten, R., 449
Ingersoll, J. M., 58
Isaacs, H. E., 485
Iturbe, I., 178

Jack, H. P., 168
Jackson, C., 125, 230
Jackson, R. W., 244
Jackson, W. R., 130, 237
Jacobaeus, H. C., 231
Jacobson, I. H., 525
Jacobson, V. C., 282
Japiot, P., 509
Jeanbrau, E., 261
Jefferson, J. C., 372
Johnanessen, C., 479
Johnston, G. C., 227
Johnston, W. H., 133
Jones, E. G., 360
Jones, H. W., 403
Jones, J. L., 285
Jopson, J. H., 129
Joseph, B., 361
Judd, E. S., 83, 182, 227
Judell, M. I., 238
Jung, F., 370

Kaempfer, L. G., 386
Kahle, R. R., 469
Kahn, L., 418
Kalb, O., 23
Kaufman, A. S., 316
Kearney, J. A., 183, 222
Keilty, R. A., 524
Kellock, T. H., 18
Kelly, D., 31
Kennedy, J., 436
Kerley, C. G., 157, 454
Kermisson, E., 153
Key, E., 231
Kindley, G. C., 334
King, C., 215
King, E. L., 115
King, J. J., 485
Kirby, E. R., 82
Kirk, J., 569
Kitchen, A. S., 224
Klausner, R., 448
Klopfer, E. E., 128
Knaggs, R. L., 135
Koch, W. F., 539
Kolischer, G., 84
Kolmer, J. A., 47
Kosmak, G. W., 25
Kotzareff, A., 254
Kretschmer, H. L., 82, 178, 560
Kreuscher, P. H., 38, 438
Kritchevsky, I. L., 359
Kronberg, G., 452
Krotoszyner, N. M., 82, 540
Kuegle, F. H., 163

Labhardt, A., 553
Labro, P., 423
Ladinski, L. J., 69
Lance, 143
Landis, H. R. M., 553
Landivar, A. F., 29
Landsman, A. A., 432, 433
Lane, J. W., 255
Lane, W. A., 531
Langley, J. N., 449, 536
Lannois, 316
Lapayre, N., 318
Large, S. H., 219
Larralde, A., 324
Lawrence, J. S., 17
Layton, T. B., 61
Le Conte, R. G., 114
Lee, R. I., 357, 455
Lee, W. E., 114
Leede, C. S., 131
Lefèvre, 242
Le Fur, R., 379, 533
Le Grand, 406
Legueu, F., 179
Leland, G. A., Jr., 366
Le Mesurier, A. B., 40
Leonard, V. N., 368
Leriche, R., 21, 55, 258, 534
Levin, I., 361
Levine, S. A., 425
Lewin, P., 43
Lewis, B., 379
Lewis, D., 509, 528, 531
Lhermitte, I., 165
Lilienthal, H., 124
Linder, W., 35
Lindquist, L., 167
Linger, E. A., 252
Little, E. M., 251
Litzenberg, J. C., 251
Lockwood, A. L., 514
Lockwood, G. R., 428
Loeb, H. W., 87
Loevenhart, A. S., 153
Logan, J. C., 373
Long, C. H., 85
Long, H. W., 177
Long, J. W., 33, 512
Long, W. B., 56
Longcope, W. T., 527
Longsworth, M. J., 550
Lord, J. P., 250, 442
Loumeau, 68
Lovett, R. W., 148
Lower, W. E., 460
Lowman, C. L., 145
Lowsley, O. S., 281
Lumière, A., 537
Lynch, L. A., 154
Lyon, E. P., 166

MacFarlane, W. D., 366
MacGowan, G., 476
Macht, D. I., 378
Mackenty, J. E., 187
Mackenzie, H. W. G., 524
Macleod, N., 355
Magitot, 183
Magni, E., 507
Main, D. C., 149
Maiolo, G. C., 264
Maldonado, J. A., 472
Malherbe, A., 227
Mally, 341
Mandel, M., 328
Manfredi, L., 230
Manges, M., 264
Manley, O. T., 162
Mann, F. C., 26
Mansilla, G., 569
Manwaring, W. H., 52, 55
Manzone, C., 336
Maranon, G., 226
Marchand, 253
Marine, D., 162
Marlow, S. B., 226
Marotta, R. A., 29
Marquis, 503
Marris, H. F., 455
Marshall, H. W., 315
Marshall, W. H., 60
Martin, A. P., 176
Martin, H. H., 434
Martin, S. P., 479
Martin, W., 546
Martino, P. J., 184
Marvel, E., 554
Mason, J. T., 435
Mauclaire, 369
Maurizi, M., 339
Mayer, L., 345
Mayo, C. H., 236, 333, 460, 481
Mayo, W. J., 32, 133, 334
Mazzini, E., 74
McArthur, L. L., 164
McCannel, A. D., 325
McCartney, G. E., 504
McClure, W. B., 153
McCurdy, S. L., 46
McIntosh, G. J., 553
McJunkin, F. A., 540
McKay, H. S., 272
McKenna, H., 40, 129, 130
McKenzie, R. T., 363
McLean, W. S., 48
McMahon, F. B., 424
McNee, J. W., 216
McNeill, W. H., Jr., 479
McPherson, R., 52, 551
McWilliams, C. A., 77
Meleney, F. L., 541
Meleney, H. E., 260
Menetrier, P., 558
Merritt, E. P., 77
Mewburn, F. H. H., 504
Meyer, W., 233
Meyer, W. H., 266
Miginiac, 243
Miller, C. J., 169
Miller, C. S., 321
Miller, H. A., 373
Miller, H. T., 525
Minot, A. S., 419
Minot, G. R., 357
Mixsell, H. R., 147
Mixter, S. J., 356
Mixter, W. J., 118
Mocquot, P., 259
Moes, M. J., 560
Molinié, 316
Mondor, H., 55
Monprofit, 220, 317
Monson, S. H., 484
Montgomery, D. W., 361
Montgomery, E. E., 167
Moore, N. S., 379
Morestin, H., 411, 412
Morf, P. F., 262
Morgan, J. D., 327
Morgan, O. G., 464
Mori, A., 245
Morinelli, V., 473
Morison, R., 215, 507
Morpurgo, B., 512
Morse, J. L., 158
Morse, W. E., 428
Mortimer, J. D., 286
Morton, C. A., 35
Moschcowitz, A. V., 327
Mosti, R., 140
Mott, F. W., 364
Moxey, V., 349
Moynihan, B., 438
Munger, C. E., 187
Murphy, J. W., 231
Murray, L. M., 327
Myers, T. H., 350
Myles, R. C., 315

Nessa, N. J., 264
Newell, E. D., 263, 542
Nichols, E. H., 315
Nissen, H. A., 317
Nixon, J. A., 514
Norris, C., 437
Norris, C. C., 553
Novak, E., 167, 271
Nové-Josserand, 267, 438
Nutt, J. J., 361
Nutter, J. A., 446
Nuzum, F., 526
Nuzum, J. W., 155

Ochsner, A. J., 158, 403, 433
Olivier, R., 325
O'Neil, R. F., 278
Orfila, I. P., 69
Osgood, R. B., 116, 141
O'Shansky, A. L., 454
Osnato, M., 416
Ostrom, L., 21
Owen, G., 253
Owen, W. O., 547
Ozaki, Y., 49
Ozarki, 252

Pacini, A. J. P., 430
Page, C. M., 40
Page, H. M., 115
Pain, A., 441
Palmer, D. W., 128
Pancoast, H. K., 58
Parker, C. A., 147
Parker, J. T., 160, 543
Parker, W. R., 222
Patel, M., 250, 513
Patrick, J., 26
Patterson, F. D., 65
Patterson, N., 286
Pauchet, V., 31, 340, 482
Payne, R. L., Jr., 83
Payr, 416
Peabody, F. W., 452
Peat, G. B., 461
Pearce, R. M., 47
Peckham, F. E., 147
Péhu, 324
Pennington, J. R., 335
Pepper, O. H. P., 47
Percy, J. F., 123
Perkins, C. W., 521
Perrenot, F., 258
Perret, 250
Perry, R. H., 261
Petersen, W. F., 454
Petit de la Villeon, 231
Petrilli, G. L., 39
Pfahler, G. E., 265
Phemister, D. B., 222
Phillips, H. R., 407
Picot, G., 138
Piéry, M., 519
Pilcher, E. M., 506
Pintos, G., 226
Piqué, R., 124
Pirie, A. H., 163
Pisek, G. R., 422
Pitres, 253
Plass, E. D., 71
Plisson, 164
Poate, H. R. G., 547
Pont, 412
Porter, J. L., 348
Porter, L., 431
Porter, M. F., 35
Porter, W. T., 60
Potherat, G., 405
Potter, I. W., 555
Potts, W. A., 373
Pousson, 380
Prat, 52
Propping, C., 541
Pruvost, P., 423
Pury, G. A. C. de, 526
Pyman, F. L., 161

Quain, E. P., 111
Quarella, B., 430
Quénu, E., 249
Quinby, W. C., 262

Rachford, B. K., 237
Ramos, C., 181
Rappleye, W. C., 561
Razzaboni, G., 28
Real, P., 317
Rees, W. A., 421
Rehfuss, M. E., 30
Reiss, J., 328
Rettie, T., 20
Reuben, M. S., 454
Reynders, R., 232
Reynolds, C. B., 75
Richardson, G., 19
Richter, H. M., 124
Ridlon, J., 139, 252
Ringer, P. H., 27
Rishmiller, J. H., 538
Risley, E. H., 366

Ritchie, J., 20
Robbins, F. W., 181
Roberts, C. H., 473
Roberts, C. W., 37, 45
Roberts, J. E. H., 228
Roberts, P. W., 137, 528
Robertson, D. E., 60
Robertson, L. B., 358
Roedelius, E., 326
Roffo, A. H., 451
Roger, H., 120, 223, 255
Rogoff, J. M., 256, 257
Rohdenburg, G. L., 133, 150, 537
Rongy, A. J., 469, 551
Rosenbach, 78
Rosenbloom, J., 241
Rosensohn, M., 70
Rosini, L., 323
Rouchier, 334
Rouhier, G., 414, 451
Roussy, G., 165
Rowe, R. M., 217
Rowland, V. C., 230
Roy, D., 286, 569
Rozier, I., 283
Rudolf, R. D., 229
Ruffo, V., 30
Ruggles, H. E., 333
Rush, C. C., 283
Russ, W. B., 548
Ryerson, E. W., 41, 148
Rytina, A. G., 380

Salinari, S., 41, 409
Salmon, A., 225
Sanderson-Wells, T. H., 556
Saneyoski, S., 157
Sanford, A. H., 260
Saphir, J. F., 331
Sarkissiantz, A., 25
Sauer, F. D., 464
Saussine, A., 130
Scalone, I., 159
Schachner, A., 34
Schaeffer, J. P., 283
Schamberg, J. F., 51
Schapira, S. W., 567
Schell, J. T., 242
Schlesinger, E. G., 464
Schmidt, L. E., 558
Schmieden, 220
Schneider, J. F., 80
Scott, A. C., 407
Scott, J. R., 431
Scott, T. B., 255
Seabury, F. P., 181
Segura, E. V., 513
Selmi, M., 179
Sencert, L., 54
Senise, T., 320
Serafini, G., 42
Sergent, E., 423
Serra, A., 448
Sever, J. W., 444
Shambaugh, G. E., 22, 123, 184
Shannon, J. R., 283
Shapiro, L., 437
Sharpe, W., 120
Shenton, E. W. H., 544
Shepherd, W. M., 532
Sherman, H. M., 36
Shields, C. L., 357
Shirey, G. O., 364
Short, A. R., 215
Shropshire, C. W., 282
Shuter, R. E., 284
Sicard, I., 223
Sicard, J. A., 221
Sieber, P. R., 410
Silk, J. F. W., 406
Silva, R. H., 535
Simonds, J. P., 51
Sinclair, T., 457
Skillern, P. G., Jr., 151, 345
Skillern, R. H., 185
Skinner, E. H., 263
Slattery, R. V., 234
Small, C. P., 63
Smith, C. E., 53
Smith, E. F., 50
Smith, J. L., 20
Smith, M. K., 175, 333
Smith, S., 508
Snyder, J. W., 69
Sohmer, A. E., 146
Sollman, T., 408
Solomon, H. C., 53
Sommerfelt, L., 45
Soubeyran, 250
Souttar, H. S., 351
Speed, K., 63, 238
Speidel, W. C., 542
Spiegelberg, S. L., 567
Squier, J. B., 81
Stage, S. J., 468
Stassen, M., 233, 425
Stauffer, N. P., 286
Stearns, W. W., 260
Steel, G. E., 570
Stein, A., 76
Stein, O. J., 85, 485
Steindler, A., 443
Sterckmans, C., 386
Stevens, A. R., 79
Stevens, T. G., 473
Stevens, W. E., 170
Stewart, D. H., 115
Stewart, F. T., 111
Stewart, G. N., 256, 257
Stokes, J. H., 16
Stone, H. B., 280
Stone, I. S., 367
Stoney, R. A., 517
Stoppato, U., 522
Straus, D. C., 146
Stroponi, L., 73
Stuart-Low, W., 186
Summers, J. E., 16
Suter, F., 482
Swan, R. H. J., 443
Swayne, W. C., 34
Sweet, J. E., 19, 114
Symmers, D., 352, 437, 453
Symonds, C. P., 427

Takenska, S., 126
Tanner, R., 114
Tanton, 139, 343, 344, 424
Tavernier, 254
Taylor, G., 77, 79, 343
Taylor, H. D., 505
Taylor, H. L., 134, 247
Taylor, K., 245
Taylor, R. T., 439
Tchertkoff, J., 80
Témoin, 429
Tenney, B., 478
Terada, M., 341
Terry, W. I., 513
Tewksbury, W. D., 518
Thalhimer, W., 128
Thoenen, F., 471
Thom, B. P., 453
Thomas, B. A., 279
Thomas, H. B., 40, 53
Thomas, J. J., 352
Thompson, A. R., 559
Thompson, H. M., 570
Thompson, J. A., 186
Thompson, J. E., 42, 180, 314
Thoms, H., 374
Thorning, W. B., 38
Tilderquist, D. L., 85
Tilley, H., 518
Timme, W., 539
Titus, R. S., 72
Toomey, N., 485
Torrance, G., 32, 227, 435
Tranter, C. L., 425
Trethowan, W. H., 248
Triollet, L., 331
Troell, A., 428
Trotter, W., 486
Truesdell, E. D., 70
Trutié de Vaucresson, 245
Tuffier, T., 267, 346, 538
Turner, P., 19, 145

Uffoltz, 364
Unger, L. J., 456
Utley, F. B., 259

Vaglio, R., 285
Valabregar, M., 320
Valtancoli, G., 448
Van Eman, F. T., 475
Van Reeth, P., 425
Van Zwaluwenburg, J. G., 164
Vargas, M., 326
Vaucher, E., 423
Vaughan, G. T., 22
Veau, 327
Velter, E., 414
Vernoni, G., 457
Villa, I. de la, 481
Villandre, 119, 414
Vincent, W. G., 337, 530
Vivian, C. S., 481
Vivian, M., 373
Voncken, J., 233, 425
Voorhees, J. D., 556

Wadsworth, W. S., 266
Waits, C. E., 360
Walker, C. B., 23
Walker, S., 138
Waller, E., 241
Walscheid, A. J., 432
Walsh, J., 554
Walters, F. A., 171
Walther, H. W. E., 84, 378
Walton, A. J., 122
Ward, F. N., 548
Warner, F., 172, 468, 506
Warren, J. H., 418
Waters, C. H., 549
Watkins, T. J., 170, 369
Watson, A. W., 87
Watson, C. G., 358
Watson, E. M., 82, 380, 479
Watterston, C., 282
Wayson, N. E., 156
Webb, R. C., 128
Weil, E. A., 59
Weill, G. A., 284
Wells, H. G., 453
Welton, G. W., 265
Welz, W. E., 473
Wenyon, C. M., 161
Werelius, A., 240
Whale, H. L., 124
White, C. S., 504
White, G. B. M., 115
Wilensky, A. O., 31, 128
Wilkinson, K. D., 322
Willan, R. J., 523
Willems, 121
Williams, J. W., 274
Williamson, G. M., 239
Williamson, R. T., 536
Willis, A. M., 132, 337
Willits, E. K., 238
Willy, R. G., 155
Wilson, H. T., 548
Wilson, J. G., 570
Winslow, R., 342
Winternitz, M. C., 262
Wise, F., 562
Woglom, W. H., 162
Wohl, M. G., 30, 320
Wohlbach, S. B., 158
Woimant, H., 545
Wolkoff, A. A., 128
Wood, R. L., 555
Woodyatt, R. T., 152
Worrall, R., 548
Wynne, H. M. N., 81, 551
Wynne, M. N., 504
Wynne, S. W., 460

Yamagiwa, K., 451
Yeomans, F. C., 239
Yoshio, K., 55
Young, E. L., Jr., 277
Young, H. H., 278, 280, 281, 381
Young, J. K., 136
Young, J. R., 70
Young, J. van D., 375

Zabrocki, J. A., 116
Zadek, I., 43
Zinke, E. G., 275
Zinsser, H., 160